

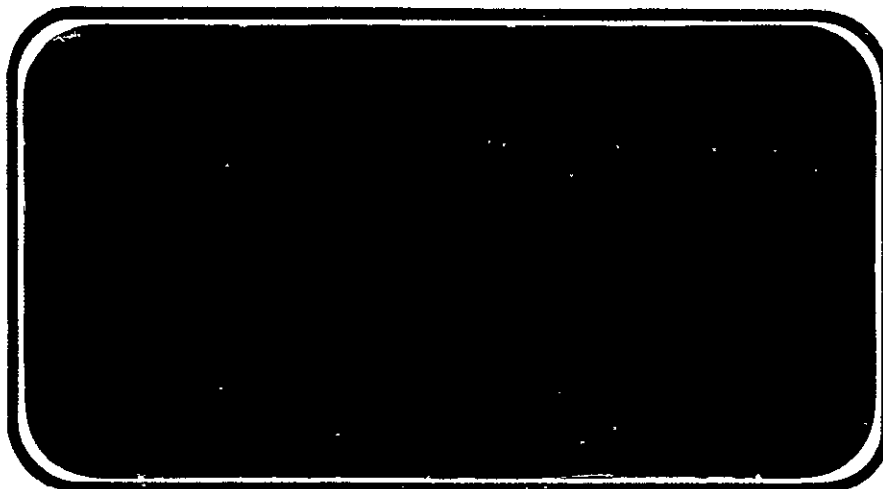


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR-

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Vol. 3



(NASA-CR-144584-Vol-3) RESULTS OF PRESSURE
DISTRIBUTION TESTS OF A 0.010-SCALE SPACE
SHUTTLE ORBITER MODEL (61-0) IN THE NASA/ARC
3.5-FOOT HYPERSONIC WIND TUNNEL (TEST OH38),
VOLUME 3 (Chrysler Corp.), 674 p HC \$16.25

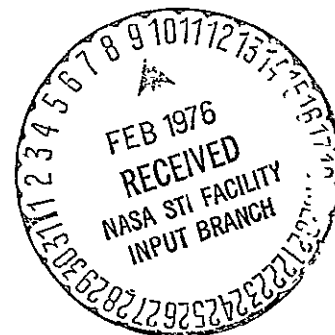
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services



December, 1975

DMS-DR-2171
NASA CR-144,584
VOLUME 3 OF 3

RESULTS OF PRESSURE DISTRIBUTION TESTS OF A
0.010-SCALE SPACE SHUTTLE ORBITER MODEL (61- 0)
IN THE NASA/ARC 3.5-FOOT
HYPERSONIC WIND TUNNEL (TEST OH38)

by

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Prepared under NASA Contract Number NAS9-13247

by

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Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 3.5-198
NASA Series Number: OH38
Model Number: 61-0
Test Dates: 20 June through 19 July 1974
Occupancy Hours: 320

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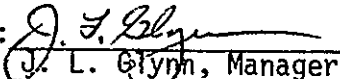
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RESULTS OF PRESSURE DISTRIBUTION TESTS OF A
0.010-SCALE SPACE SHUTTLE ORBITER MODEL (61-0)
IN THE NASA/ARC 3.5-FOOT
HYPERSONIC WIND TUNNEL (TEST OH38)

by

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ABSTRACT

The results of hypersonic tests conducted on a 0.010-scale model of the Rockwell International Space Shuttle 140C Orbiter in the NASA-Ames Research Center 3.5-foot hypersonic wind tunnel are presented in this report.

The purpose of these tests was to obtain hypersonic pressure distributions at simulated entry conditions. Pressure data were obtained at Mach numbers of 7.4 and 10.4 and Reynolds numbers of 3.0 and 6.5 million per foot. These data are presented in both plotted and tabulated data form.

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12	FUSELAGE CROSS SECTIONS	G	X/L, ALPHA	390-554
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SCHEDULE OF COEFFICIENTS PLOTTED:

- | | |
|-------------------------|-------------------------|
| A) CP/CPS versus X/L | E) CP/CPS versus X/CV |
| B) CP/CPS versus X/C | F) CP/CPS versus COLUMN |
| C) CP/CPS versus ROW NO | G) CP/CPS versus PHI |
| D) CP/CPS versus POSN | |

INTRODUCTION

This report presents results of tests conducted on a 0.010-scale model of the Rockwell International Space Shuttle Orbiter in the NASA/Ames Research Center 3.5-foot hypersonic wind tunnel. These tests were conducted from 6/20/74 through 7/19/74 during a total of 320 test hours.

The purpose of these tests was to obtain hypersonic pressure distributions on the 140C Orbiter to be used in conjunction with aerodynamic heating data obtained from other tests.

Pressure distributions were obtained for Mach numbers of 7.4 and 10.4. At Mach 7.4 Reynolds nos. of 3.0 and $6.5 \times 10^6/\text{ft.}$ were tested through an angle of attack sweep of 15° to 50° and at side slip angles of 0° and -1° (nose right). Elevons, speed brake and bodyflap were deflected as follows:

elevons: 0° , 5° , 10° , -7° , -40°

speed brake: 0° , 49°

bodyflap: 0° , 16.7° , 22° , -12°

At Mach 10.4, a Reynolds no. of 1.7 was tested through the same angle of attack and side slip angles as the Mach 7.4 sequence. The control deflections tested at Mach 10.4 are as follows:

elevons: 0° , 5°

speed brake: 0° , 49°

bodyflap: 0° , 16.7°

Most runs were repeated due to scanivalve problems during the test. All data gathered during the test are included in the Appendix. The plotted data, however, were selected for the report by eliminating duplicated and bad data sets.

NOMENCLATURE

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
	BL	butt line, distance from orbiter centerline in the outboard direction, in.
\mathcal{C}		centerline
Column	COLUMN	windshield column number, see figure 2a and table IV
C_{p_N}	CP	local model pressure coefficient at Nth orifice
$C_{p_{STAG}}$	CPSTAG	stagnation pressure coefficient
$C_{p_n}/C_{p_{STAG}}$	CP/CPS	ratio of local model pressure coefficient to stagnation pressure coefficient at Nth orifice
L.E.		leading edge
M_∞	MACH	freestream Mach number
P_1	P	freestream static pressure, psia
P_n		local model surface pressure, for orifice n, psia
	POSN	order relative to the leading edge for the wing L.E. clusters, see table IV
q_1	Q	freestream dynamic pressure, psf
Ray	RAY	windshield ray number, see figure 2a and table IV
	ROW NO	row number for OMS pod pressure taps see figure 2a
R_n/L	RN/L	unit Reynolds number, per foot
X_0	X0	longitudinal Orbiter station, full scale distance from Orbiter reference point or 238 in + F. S. distance from Orbiter nose

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$\frac{X}{L}$	X/L	nondimensional distance from nose of Orbiter, fraction of Orbiter reference length
$\frac{X}{c}$	X/C	nondimensional distance from leading edge of wing, fraction of chord length
	X/CV	nondimensional distance from leading edge of vertical tail, fraction of local vertical tail chord
	X/LOM	longitudinal location on OMS pod, fraction of OMS pod length
Y_0	Y0	Orbiter spanwise station in.
$2Y/b$	2Y/B	nondimensional spanwise location on wing, fraction of wing semispan
Z_0	Z0	Orbiter vertical station, in.
Z/b_v	Z/BV	nondimensional spanwise location on vertical tail measured from $Z_0 = 500$, fraction of vertical tail span
α	ALPHA	angle of attack, deg.
β	BETA	angle of sideslip, deg.
ϕ	PHI	Orbiter cross-section angles measured clockwise looking forward $0^\circ = \text{bottom } Q_L$, deg.
δ_e	ELEV-L,R	elevon deflection angle left or right, deg.
δ_{BF}	BDFLAP	bodyflap deflection angle, deg.
δ_{SB}	SPDBRK	speedbrake deflection angle, deg.

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
	BREF	wing span or reference span; ft
	LREF	reference length or wing mean aerodynamic chord; ft
	SREF	wing area or reference area; ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

CONFIGURATIONS INVESTIGATED

The model used for testing was a 0.010-scale model of the Rockwell International Space Shuttle Orbiter. The model was built to Rockwell Lines VL70-000140C.

The model was fabricated with the following control surface deflection possibilities:

elevons: 0, 5, 10, -7, -40

speedbrake: 0, 49

bodyflap: 0, 16.7, 22, -12

The model was sting mounted through its rear. Model pressure tubes were routed internally.

INSTRUMENTATION

The model was instrumented with 268 pressure orifices distributed over the model as shown in table IV and figure 2.

Model local pressures were recorded via one scanivalve unit consisting of six barrels. Each barrel recorded approximately 47 pressures.

The scanivalve unit described above was mounted above the sting in a steel box. Cooling of the box was accomplished by film cooling, i.e., injecting water into the boundary layer on the box.

Thermocouples mounted on the inside of the box wall and near the scanivalve unit indicated that the water film cooling provided a 50-60°F environment for the scanivalve during testing (typical test run time averaged 3 min.).

Two initial runs were made to determine pressure lag times and optimum scanivalve stepping rate. From these two runs, the lag time was determined to be 3-4 seconds and the optimum step rate was 0.7 sec. per port.

TEST FACILITY DESCRIPTION

The NASA-Ames 3.5-Foot Hypersonic Wind Tunnel is a closed-circuit, blowdown-type tunnel capable of operating at nominal Mach numbers of 5, 7, and 10 at pressures to 1800 psia and temperatures to 3400°R for run times to four minutes. The major components of the facility include a gas storage system where the test gas is stored at 3000 psi, a storage heater filled with aluminum-oxide pebbles capable of heating the test gas to 3400°R, axisymmetric contoured nozzles with exit diameters of 42 inches for generating the desired Mach number, and a 900,000 ft³ vacuum storage system which operates to pressures of 0.3 psia. The test section itself is an open-jet type enclosed within a chamber approximately 12-feet in diameter and 40-feet in length, arranged transversally to the flow direction.

A model support system is provided that can pitch models through an angle-of-attack range of -20 to +20 degrees, in a vertical plane, about a fixed point of rotation on the tunnel centerline. This rotation point is adjustable from 1 to 5 feet from the nozzle exit plane. The model normally is out of the test stream (strut centerline 37-inches from tunnel centerline) until the tunnel test conditions are established after which it is inserted. Insertion time is adjustable to as little as 1/2 second and models may be inserted at any strut angle.

A high-speed, analog-to-digital data acquisition system is used to record test data on magnetic tape. The present system is equipped to measure and record the outputs from 80 transducers in addition to channels of tunnel parameters.

DATA REDUCTION

Pressure transducer outputs were reduced to pressures using cell constants from pre-run calibrations

Local pressure coefficients were computed using:

$$C_{p_n} = \frac{P_n - P_1}{q_1}$$

The stagnation pressure coefficient was calculated using:

$$C_{p_{STAG}} = \frac{[(1.2M_\infty^2)^{3.5} \left(\frac{6.0}{7.0M_\infty^2 - 1} \right)^{2.5}] - 1}{0.7M_\infty^2}$$

This report contains plotted and tabulated data. Local pressure coefficient divided by stagnation pressure coefficient (C_p/C_{p_s}) is the plotted variable. It is plotted versus one of the geometric dimensional variables. Only plots of selected data are presented. Each figure contains the selected data for a given component. For each individual component 9 datasets are plotted. The matrix below gives the test conditions and control deflections illustrated by these datasets.

Matrix of Plotted Datasets for Each Component

5th & 6th Character	Description	β	δ_e	δ_{SB}	δ_{BF}	RN/L	MACH
01 or 35	δ_{SB} & δ_{BF} Effect	0	0	41.5	15.7	3.0	7.4
03	Basic	0	0	0	0	3.0	7.4
04	RN/L Effect	0	0	0	0	6.5	7.4
05	δ_e Effect	0	+5	0	0	3.0	7.4
07	δ_{BF} Effect	0	+5	0	15.7	3.0	7.4

DATA REDUCTION (Continued)

5th & 6th Character	Description	β	δ_e	δ_{SB}	δ_{BF}	RN/L	MACH
11	δ_e Effect	0	+10	0	0	3.0	7.4
14 or 32	δ_e Effect	0	-40	0	0	3.0	7.4
16	β Effect	-1	0	0	0	3.0	7.4
20	MACH Effect	0	0	0	0	3.0	10.4

The appendix consists of a listing of the local pressure coefficient data (CP). All data for a given component are grouped together. Data for each component follows the same sequence as the Data Set/Run Number Collation Summary, Table II (alphabetic on the first dataset identifier character, then numeric on the 5th and 6th character). The plotted and tabulated data are arranged in the following manner:

DATA REDUCTION (Concluded)

VOLUME
NO.

CONTENTS

- 1 Plots of CP/CPS versus geometry.
See the index of data figures for
pagination.
- 2 Tabular listing of source data
CP ~ local pressure coefficient

	Component	Fourth Character*	Page
<u>Orbiter</u> ↓	bottom centerline	A	1
	top centerline	B	141
	OMS pods	C	261
	wing clusters	D	325
	windshield	E	389
	fuselage tangency line	F	445
	fuselage nose	G	507
	wing upper surface (RT)	H	630
3 <u>Orbiter</u> ↓	vertical tail	I	739
	fuselage cross section	J	801
	aft sidewall	K	1031
	wing lower surface (LT)	L	1087
	attach points	M	1253
	incidental orifices	N	1317

* The Fourth Character in each dataset identifier (i.e., REZLXX,L for wing lower surface) represents the individual component.

TABLE 1.

[illegible]

TEST: 0438 ARC 3.5-195

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 70-14-74

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)										TEST RUN NUMBERS
		α	β	δ_c	δ_{SB}	δ_{BF}	RN/L		15	20	25	30	35	40	45	50			
RE2001	140C ORB		0	0	49	16.7	3.0	7.4		802-1		801-1	802-2	801-2					
2					49	16.7	6.5			803-1		804-1		805-15					
3					0	0	3.0			811-1	811-2	812-1	812-2	812-3					
4						0	6.5			810-1	809-1	808-1	807-1	806-1					
5				5		0	3.0			813-3		813-2		813-1					
6						0	6.5			814-1		815-1		816-1					
7						16.7	3.0			822-1		822-2		822-3					
8						16.7	6.5			821-1		820-1		817-1					
9						22.0	5.0			824-3	824-2	823-3	823-2	823-1					
10				5		22.0	6.5			829-1	828-1	827-1	826-1	825-1					
11				10		0	3.0			830-5		830-4		830-1					
12				-7		-12	3.0			831-3	831-2	831-1	832-2	832-1					
13				-7		-12	6.5			836-2	836-1	835-2	835-1	834-1					
14					-40	0	3.0			839-3		839-2		839-1					
15				0	-40	0	6.5			837-2		837-1		838-1					
16				-1	0	0	3.0			62-3	62-2	62-1	61-2	61-1					
17				-1	5	0	3.0	7.4		60-3		60-2		60-1					
RE2018	140C ORB		-1	0	0	0	1.7	10A		866-2	866-1	864-3	863-2	864-1	865-2	865-3			

1	7	13	19	25	31	37	43	49	55	61	67	75	76
COEFFICIENTS										ALPHA MACH			
										IDVAR (1) IDVAR (2) NOV			
SCHEDULES													

EACH NUMERICAL DATA SET CYCLES
THRU AN ALPHABETICAL DATA SET (A-M)
CORRESPONDING TO SECTION.

"800" RUNS ARE THE SECOND
DATA REDUCTION.

TEST: 01438 ARC 3.5-198

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 10 - 14 - 74

DATA SET IDENTIFIER		CONFIGURATION	SCHD.		CONTROL DEFLECTION				MACH NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)												TEST RUN NUMBERS
			α	β	δe	δSB	δBF	RNL		15	20	25	30	35	40	45	50					
RE2019		140 C OCB		0	5	49	16.7	1.7	10.4			874-2	874-1	872-2	872-1	873-2	873-1					
20					0	0	0	1.7	10.4			869-2	869-1	868-2	868-1	867-2	867-1					
30					5	0	16.7	3.0	7.4			51-3	84-3		84-2	51-2	51-1	84-1				
31					5	0	16.7	6.5				52-2		52-1								
32					-40	0	0	3.0			89-3	51-3	79-3	59-2	59-1	79-1	79-2	89-1				
33					-40	0	0	6.5				55-2	90-2		90-1	55-1						
34					-7	0	-12	3.0			88-3	56-3	80-2	56-2	80-1	56-1	80-3	88-1				
35					0	49	16.7	3.0				59-2	58-1	57-3	57-2	57-1	57-1					
36					5	0	22	3.0			76-3		75-1	85-2			76-2	85-1				
37					5	0	22	6.5			77-2	77-1										
RE2038		140C OCB			7	0	-12	6.5				81-2	81-1									
YE2003		REPEAT of D/S 3			0	0	0	3.0				842-3	842-2	842-1	841-3	841-2	841-1	840-9				
4		D/S 4			0			6.5				846-1	845-2	845-1	844-2	843-2	844-1					
5		D/S 5			5			3.0				50-3		50-2	83-3	50-1	83-2	83-1				
6		D/S 6			5			6.5				82-2	91-2	82-1	91-1							
YE2011		D/S 11			10			3.0			86-2	53-3	86-1	53-2	87-3	53-1	87-2	87-1				
YE2003		D/S YE2003			0			3.0				78-3		49-3	78-2	49-1	78-1					
YE2004		REPEAT of D/S YE2004			0	0	0	6.5	7.4					48-3		48-2						

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

C.P. ALPHA MACH

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

 α OR β
SCHEDULESX Repeat of R
Y Repeat of X*ALPHA VALUES IN DATA ≈ 320
DATA PROVIDED TO VALUES
INDICATED ON COLLATION SHEET.
 Δ RUN HAS NO DATA.

NAMESFC-MAF

TABLE III (MODEL DIMENSIONAL DATA)

MODEL COMPONENT : BODY - P6GENERAL DESCRIPTION : The body is to the Baseline Definition Space Shuttle Vehicle Configuration 5 MCE 200 Rev. 7, dated 10/17/74.MODEL SCALE: 0.010DRAWING NUMBER : VC70--0000002 MDV-70 Baseline IML

REF: Length OML X = 238 - 1528.3

DIMENSIONS :		FULL SCALE	MODEL SCALE
Length OML $X_0 = 238-1528.3$		1290.3	12.903
Length (IML X = 230.5 - 1528.3)			
OML Max Width ($X_0 = 1516.8013$) In.		262.718	2.627
IML " " ($X_0 = 1516.8013$) In.		260.718	2.607
OML Max Depth ($X_0 = 1463.316$) In.		248.575	2.486
IML " " ($X_0 = 1463.316$) In.		246.575	2.466
OML Fineness Ratio		5.1365	5.1365
IML " "		5.1525	5.1525
Area - $F+^2$			
Max. Cross-Sectional @ X 1463.316		340.82	0.0341
Planform			
Wetted			
Base			

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE III (CONT'D)

MODEL COMPONENT : CANOPY - C₁₄GENERAL DESCRIPTION : The canopy is that part of the forward fuselage which covers the crew module. 1" thickness on the canopy.

Vehicle 5 configuration MCR 200 Rev. 7

MODEL SCALE: 0.010DRAWING NUMBER : VL70-0001400 VC70-000002, MPV-70.

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_0 435.196 to 670.0)	<u>234.80</u>	<u>2.348</u>
Max Width (@ X_0 - 594.0)	<u>195.58</u>	<u>1.956</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

INDSHIELD PANES:

$$\begin{aligned}
 .7012 X_0 - .2552 Y_0 - .6656 Z_0 - 6.1789 &= 0 \\
 .5710 X_0 - .5641 Y_0 - .5965 Z_0 + 32.7354 &= 0 \\
 .2636 X_0 - .7564 Y_0 - .5965 Z_0 + 189.4094 &= 0
 \end{aligned}$$

TABLE III (CONT'D)

MODEL COMPONENT: ELEVON - #54GENERAL DESCRIPTION: Elevon for configuration 5, hingeline at $X_0 = 1387$ Elevon split line $V_0 = 312.5$ 6.0" gap beveled edges, and centerbodiesQMI used on W₁₂₀. Ref. MCR 200 Rev. 7, dated 10-17-71.MODEL SCALE: 0.010DRAWING NUMBER: VC70-000002ADIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area used for C_{He} computation	<u>210.0</u>	<u>0.0210</u>
Area - Ft ²	<u>206.57</u>	<u>0.0207</u>
Span (equivalent). In.	<u>346.44</u>	<u>3.464</u>
Inb'd equivalent chord In.	<u>116.50</u>	<u>1.165</u>
Outb'd equivalent chord In.	<u>55.219</u>	<u>0.552</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2137</u>	<u>0.2137</u>
At Outb'd equiv. chord	<u>0.3999</u>	<u>0.3999</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>- 10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
(Product of area and \bar{c})		
Area Moment (Normal to hingeline) Ft ³	<u>1540.71</u>	<u>0.00154</u>
Mean Aerodynamic Chord In.	<u>89.50</u>	<u>0.895</u>

TABLE III (CONT'D)

MODEL COMPONENT: BODY FLAP - F₁₄GENERAL DESCRIPTION: Orbiter body flap Vehicle 5 configuration, MCR 200
Rev. 7. "OML" to be used with B₆₄. Hingeline X_o 1532.0, Y_o -1280.MODEL SCALE: 0.010DRAWING NUMBER: VC70-000002 and MDV-70

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Total Area - Ft ²	<u>133.875</u>	<u>0.0134</u>
Span (equivalent) . In.	<u>238.000</u>	<u>2.380</u>
Inb'd equivalent chord . In.	<u>81.00</u>	<u>0.810</u>
Outb'd equivalent chord . In.	<u>81.00</u>	<u>0.810</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u> </u>	<u> </u>
At Outb'd equiv. chord	<u> </u>	<u> </u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>0.00</u>	<u>0.00</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
(MAC X TOTAL AREA) Ft. ³		
Area Moment (Normal to hinge line)	<u>903.656</u>	<u>0.0009</u>
Mean aerodynamic chord . In.	<u>81.0</u>	<u>0.810</u>

TABLE III (CONT'D)

MODEL COMPONENT : OMS PODS (OML) - M₁₀GENERAL DESCRIPTION : Vehicle 5 configuration, MCR 200, Rev. 7.
orbiter OMS pod - short pod.MODEL SCALE: 0.010DRAWING NUMBER : VC70-000002 VL70-008410 MDV-70

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_{O1311} to 1511), In.	<u>200.00</u>	<u>2.000</u>
Max Width (X_{p305} , X_{O1511}), In.	<u>135.75</u>	<u>1.358</u>
Max Depth (X_{p304} , X_{O1511}) In.	<u>74.50</u>	<u>0.745</u>
Fineness Ratio	<u>1.937</u>	<u>1.937</u>
Area - $F+2$	<u> </u>	<u> </u>
Max. Cross-Sectional @ X_{p305}	<u>58.169</u>	<u>0.0058</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL COMPONENT: RUDDER - R18

GENERAL DESCRIPTION: The rudder is a secondary movable airfoil at the trailing edge of the vertical fin that imparts yaw forces. This dimensional data was calculated from the OML master dimensions 7-19-74.

MODEL SCALE: 0.010DRAWING NUMBER: Vehicle 5 Conf MCR 200, Rev. 7.

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft^2	<u>97.838</u>	<u>0.0098</u>
Span (equivalent) , In.	<u>198.614</u>	<u>1.986</u>
Inb'd equivalent chord, In.	<u>91.07</u>	<u>0.911</u>
Outb'd equivalent chord , In.	<u>50.80</u>	<u>0.508</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.833</u>	<u>34.833</u>
Tailing Edge	<u>26.249</u>	<u>26.249</u>
Hingeline	<u>34.833</u>	<u>34.833</u>
Area Moment ^{Product of MAX x Area} (Normal to hinge line) Ft^3	<u>593.88</u>	<u>0.00059</u>
Mean Aerodynamic Chord, In.	<u>72.840</u>	<u>0.728</u>

TABLE III (CONT'D)

MODEL COMPONENT: VERTICAL - V₂₃

GENERAL DESCRIPTION: The vertical tail is double wedge shaped and
mounted dorsally on the aft fuselage. These data correspond to the
vehicle 5 configuration, MCR 200, Rev. 7.

MODEL SCALE: 0.010DRAWING NUMBER: VC70-000002 Master Dimensions.

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	<u>413.253</u>	<u>0.0413</u>
Span (Theo) - In.	<u>315.72</u>	<u>3.157</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
0.25 Element Line	<u>41.13</u>	<u>14.13</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>2.685</u>
Tip (Theo) WP	<u>108.47</u>	<u>1.085</u>
MAC	<u>199.81</u>	<u>1.998</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>14.635</u>
W.P. of .25 MAC	<u>635.52</u>	<u>6.355</u>
B.L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle - Deg.	<u>14.92</u>	<u>14.92</u>
Leading Edge Radius	<u>2.00</u>	<u>0.020</u>
Void Area	<u>13.17</u>	<u>0.0013</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III (CONL'D)

MODEL COMPONENT: WING-W₁₂₀

GENERAL DESCRIPTION: The wing is the primary lifting device and is mounted horizontally and is symmetric about the plane $Y_c = 0$. A cuff fair the fuselage to the wing's leading edge @ $X_c = 94.0$ to $X_c = 1084.0$

MODEL SCALE: 0.010TEST NO. MCR 200, Rev. 7 10'17'74 Baseline Conf. 5. DWG. NO. VC70-000002DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATAArea (Theo.) Ft^2

Planform

Span (Theo In.

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Root (Theo) B.P.O.O.

Tip, (Theo) B.P.

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

EXPOSED DATAArea (Theo) Ft^2

Span, (Theo) In. BP108

Aspect Ratio

Taper Ratio

Chords

Root BP108

Tip 1.00 $\frac{b}{2}$

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section (Rockwell Mod NASA)

XXXX-64

Root $\frac{b}{2}$ =Tip $\frac{b}{2}$ =

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area Ft^2

Leading Edge Intersects Fus M. L. @ Sta

Leading Edge Intersects Wing @ Sta

TABLE IV
PRESSURE ORIFICE LOCATIONS

Bottom Q_L			Top Q_L		
No.	$\frac{X}{L}$	X_0	No.	$\frac{X}{L}$	X_0
1	.000	235.000	26	.010	247.933
2	.005	241.467	27	.030	273.799
3	.010	247.933	28	.060	312.595
4	.020	260.866	29	.080	336.464
5	.030	273.799	30	.100	364.330
6	.040	286.732	31	.130	403.129
7	.050	299.665	32	.160	441.928
8	.060	312.598	33	.170	454.861
9	.080	338.464	34	.180	467.794
10	.100	364.330	35	.190	480.727
11	.112	380.000	36	.200	493.660
12	.150	428.995	37	.250	558.325
13	.200	493.660	38	.300	622.990
14	.300	622.990	39	.500	881.650
15	.400	752.320	40	.600	1010.980
16	.500	881.650	41	.700	1140.310
17	.600	1010.980	42	.775	1237.307
18	.700	1140.310	43	.800	1269.640
19	.800	1269.640	44	.825	1301.973
20	.850	1334.305	WINDSHIELD		
21	.950	1463.635	No.	Column	Ray
22	.975	1495.968	45	3	1
23	1.004	1533.473	46	2	1
24	1.025	1560.633	47	1	1
25	1.050	1592.965	48	3	2
$X_0 = 235 + \frac{X}{L} (1293.3)$			49	2	2
			50	1	2
			51	3	3
			52	2	3
			53	1	3

TABLE IV. - PRESSURE ORIFICE LOCATIONS (Cont'd)
CROSS SECTIONS (Pilot Left)

No.	ϕ	$\frac{X}{L}$	X_0	No.	ϕ	$\frac{X}{L}$	X_0
54	19.5	.01	247.933	80	26	.30	622.99
55	10	.03	273.799	81	41		
56	16			82	47.5		
57	22			83	53.5		
58	26			84	66.5		
59	33.5			85	71		
				86	76.5		
				87	82.5		
60	42.5	.05	229.665	88	122		
61	53	.08	338.464	89	145		
62	20	.10	364.330	90	81	.35	687.65
63	26.5			91	90		
64	32			92	100.5		
65	37			93	111		
66	42.5			94	26	.40	752.320
67	59			95	96		
68	90			96	109		
				97	122.5		
69	90	.16	441.928	98	95	.50	881.650
70	20	.20	493.660	99	17	.60	1010.98
71	35.5			100	32		
72	39.5			101	45		
73	43.5			102	52		
74	47.5			103	66		
75	51.0			104	75		
76	90			105	85		
				106	96		
77	55.5	.25	558.325	107	122		
78	57						
79	95.5			108	23.5	.80	1269.64
				109	56.5	.829	1307.1
				110	72.0		
				111	90.0		
				112	24	.9	1398.97
				113	24.5	.95	1463.635

TABLE IV. - PRESSURE ORIFICE LOCATIONS (Cont'd)

<u>AFT Sidewall (Left)</u>				<u>Vertical Tail (Pilot Left)</u>		
No.	Z_0	X/L	X_0	No.	Z/b_v	X/C_v
114	310	.916	1420.0	120	CNTR APU inlet	
115	↓	.932	1440.0	121	TAIL/BODY Fillet	.30
116	↓	.947	1460.0	122	" " "	.50
117	340	.916	1420.0	123	.15	L.E.
118	↓	.932	1440.0	124		.30
119	↓	.947	1460.0	125		.50
				126	.299	L.E.
				127		.30
				128		.90
				129	.532	L.E.
				130		.30
				131		.90
				132	.765	L.E.
				133		.30
				134		.50
				135		.75
				136		.90
				137	.905	L.E.

TABLE IV. - PRESSURE ORIFICE LOCATIONS
OMS Pod

<u>No.</u>	<u>ϕ</u>	<u>X/L</u>	<u>X_o</u>	<u>X/L OMS</u>
138	132	.832	1311	
139	132	.843	1325	
140	132	.862	1350	
141	132.5	.901	1400	
142	132.0	.978	1500	
143	114.2	.843	1325	
144	114.7	.862	1350	
145	113.2	.901	1400	
146	113.6	.978	1500	
147	Center	RCS Package		
148	105	.862	1350	
149	102.7	.901	1400	
150	103.2	.978	1500	
151	Bottom of	RCS Package		
152	149.2	.862	1350	
153	151.2	.901	1400	
154	149.5	.978	1500	
155	See Figure 2			
157	See Figure 2			
156,158	No Orifice			

TABLE IV. - PRESSURE ORIFICE LOCATIONS (Continued)

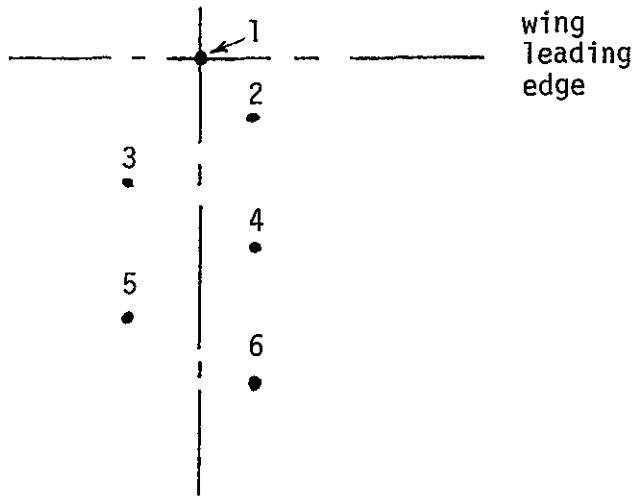
Left Lower Wing

No.	2Y/b	X/C	No.	2Y/b	X/C
159	.25	.025	199-204 Cluster C		
160		.050	(See Chart Below)		
270		.075	205	.55	.10
161		.176	206-211 Cluster D		
162		.318	(See Chart Below)		
163		.459	212	.60	.10
164		.601	213		.30
165		.743	214		.45
166		.849	215		.60
167		.955	216		.698
168-173 Cluster A			217		.809
(See Chart Below)			218		.90
174	.34803	L.E.	219		.95
175-180 Cluster B			220	.75	L.E.
(See Chart Below)			221		30° down
181	.40	.025	222		.10
182		.043	223		.30
183		.20	224		.652
184		.30	225		.797
185		.60	226-231 Cluster E		
186		.70	(See Chart Below)		
187		.751	232	.85	.10
188		.831	233		.30
189		.90	234		.602
190		.95	235		.784
191	.50	L.E.	236	.95	.10
192		30° down	237		.30
271		.05	238		.497
193		.10	239		.751
194		.30	240	1.0	.60
195		.45			
196		.60			
197		.718			
198		.814			

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TABLE IV. - Continued

Wing L. E. Clusters



Cluster	$2Y/b$	Position					
		1	2	3	4	5	6
A	.30106	168	169	170	171	172	173
B	.40	175	176	177	178	179	180
C	.55	199	200	201	202	203	204
D	.60	206	207	208	209	210	211
E	.85	226	227	228	229	230	231

TABLE IV. - PRESSURE ORIFICE LOCATIONS - (Concluded)

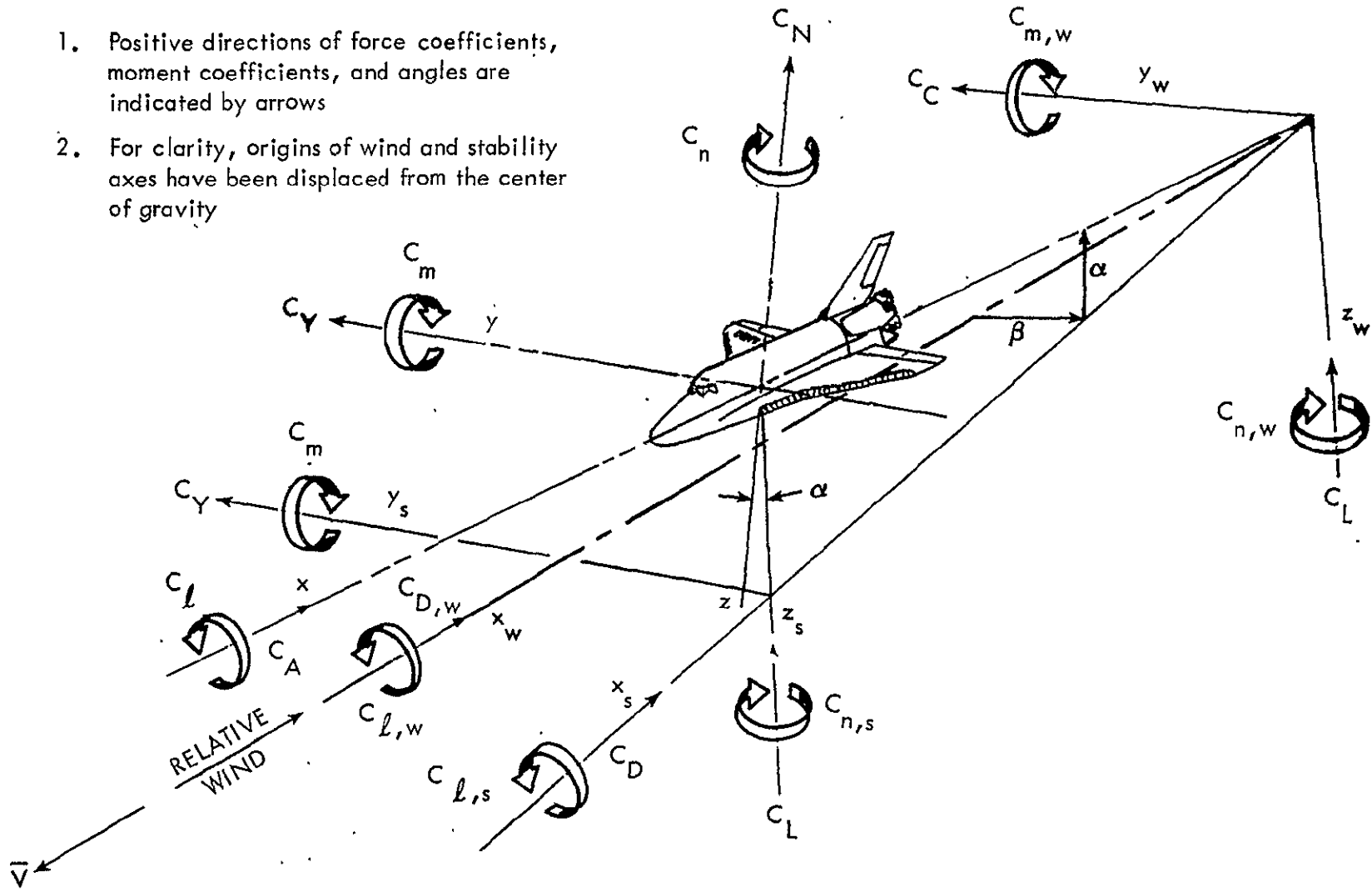
Right Upper Wing

ET ATTACH & LOX LINE
ATTACH

No.	$2Y/b$	X/C	No.	X_0	Y_0
241	.30	.826	264	1293.2	.70
242	.30	.878	265	1306.1	↓
243	.40	.025	266	1319.0	↓
244	↓	.200	267	1287.2	.965
245	↓	—	268	1300.1	↓
246	↓	.752	269	1313.0	↓
247	↓	.831			
248	.60	.05			
249	↓	.20			
250	↓	.60			
251	↓	.698			
252	↓	.809			
253	↓	.90			
254	↓	.95			
255	.80	.05			
256	↓	.20			
257	↓	.60			
258	↓	.631			
259	↓	.791			
260	.95	.10			
261	↓	.40			
262	↓	.497			
263	↓	.751			

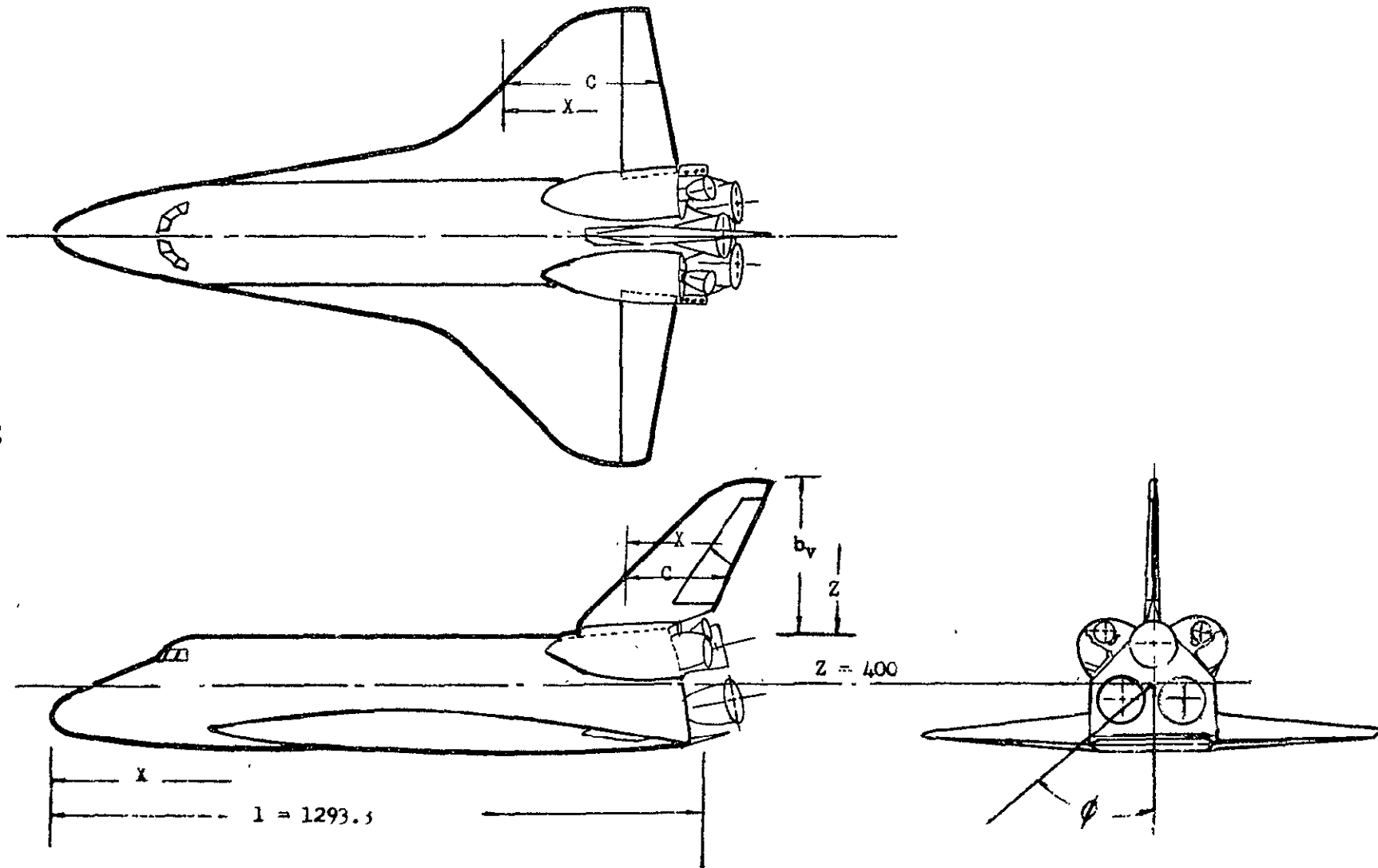
Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



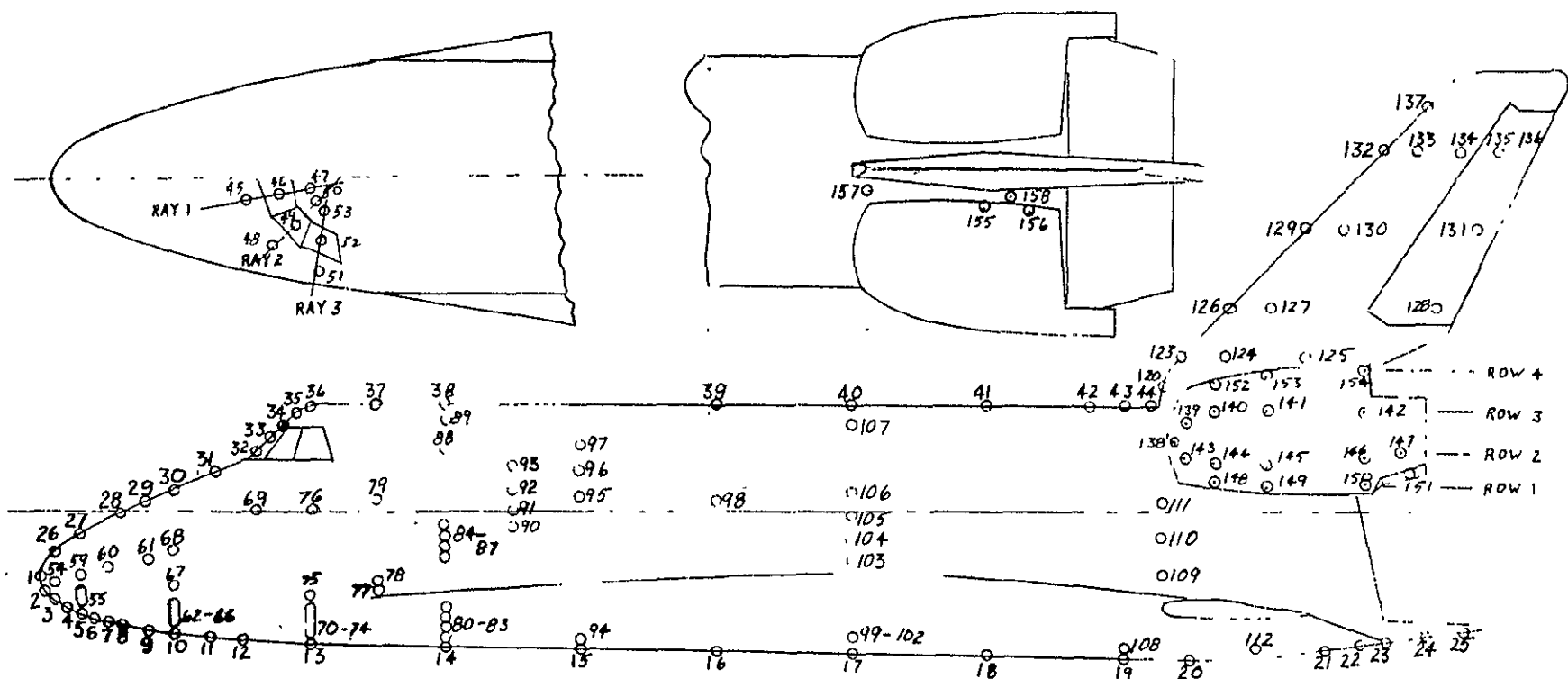
a. General

Figure 1. - Axis systems.



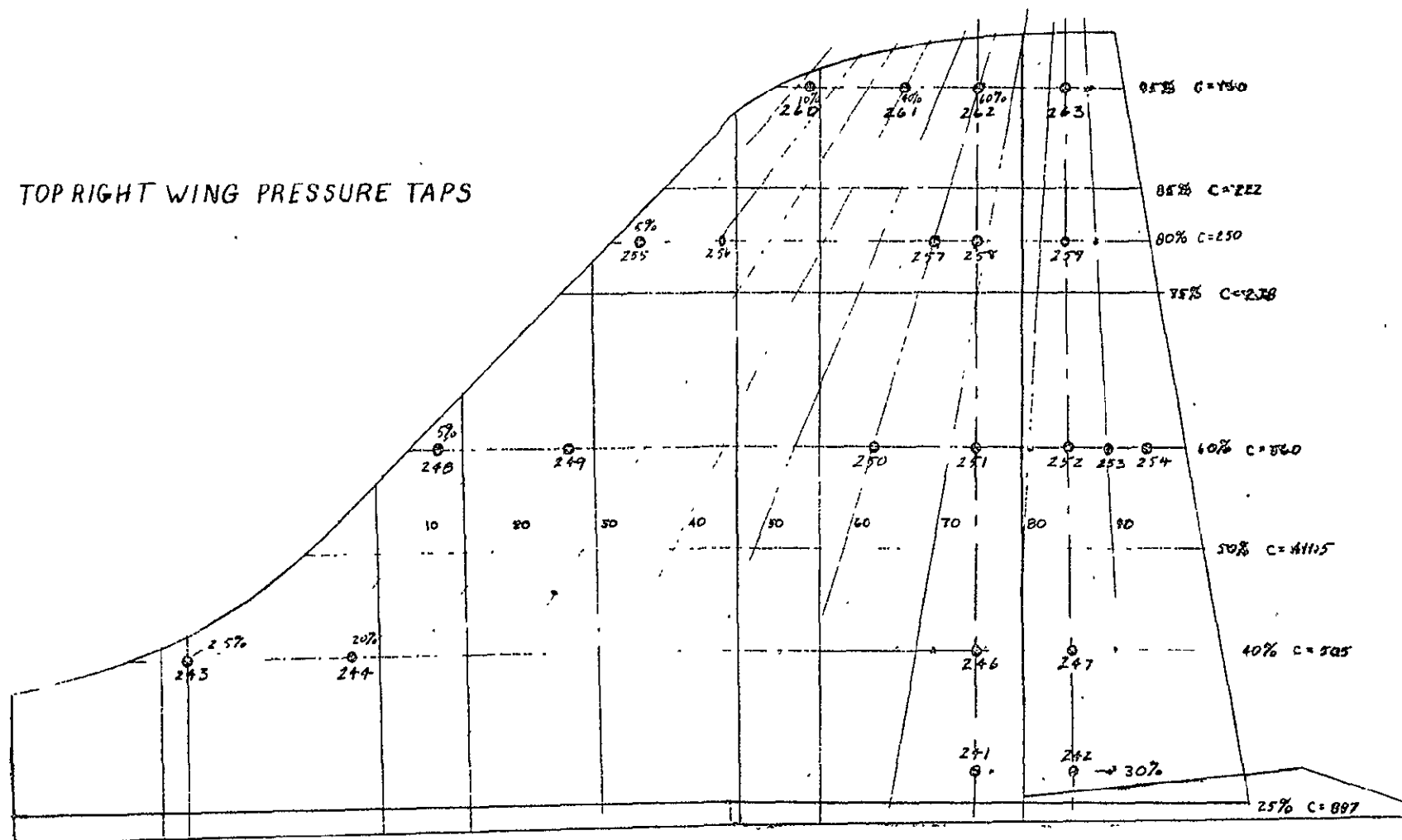
b. Instrumentation Location Definitions

Figure 1. - Concluded.



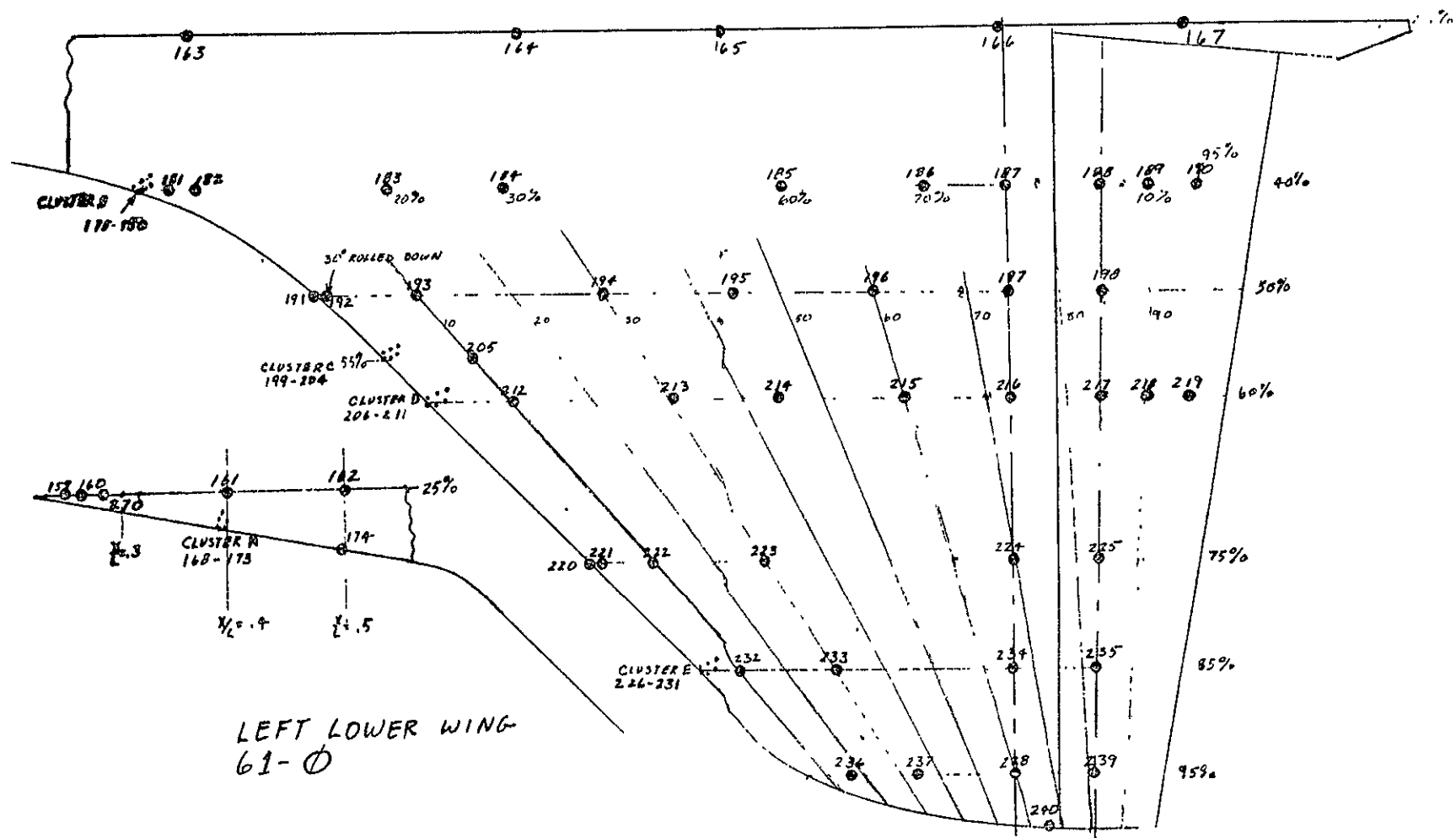
a. Fuselage and Vertical Tail

Figure 2. - 61-0 pressure orifice locations.



b. Top Right Wing

Figure 2. - Continued.



c. Left Lower Wing
Figure 2. - Continued.

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DIRECTLY IN FRONT OF
ST ATTACH POINT.

ET ATTACH
AND LO₂ LINE

265
264 266
267 269
268

BOTTOM VIEW

d. Attach Points

Figure 2. - Concluded.

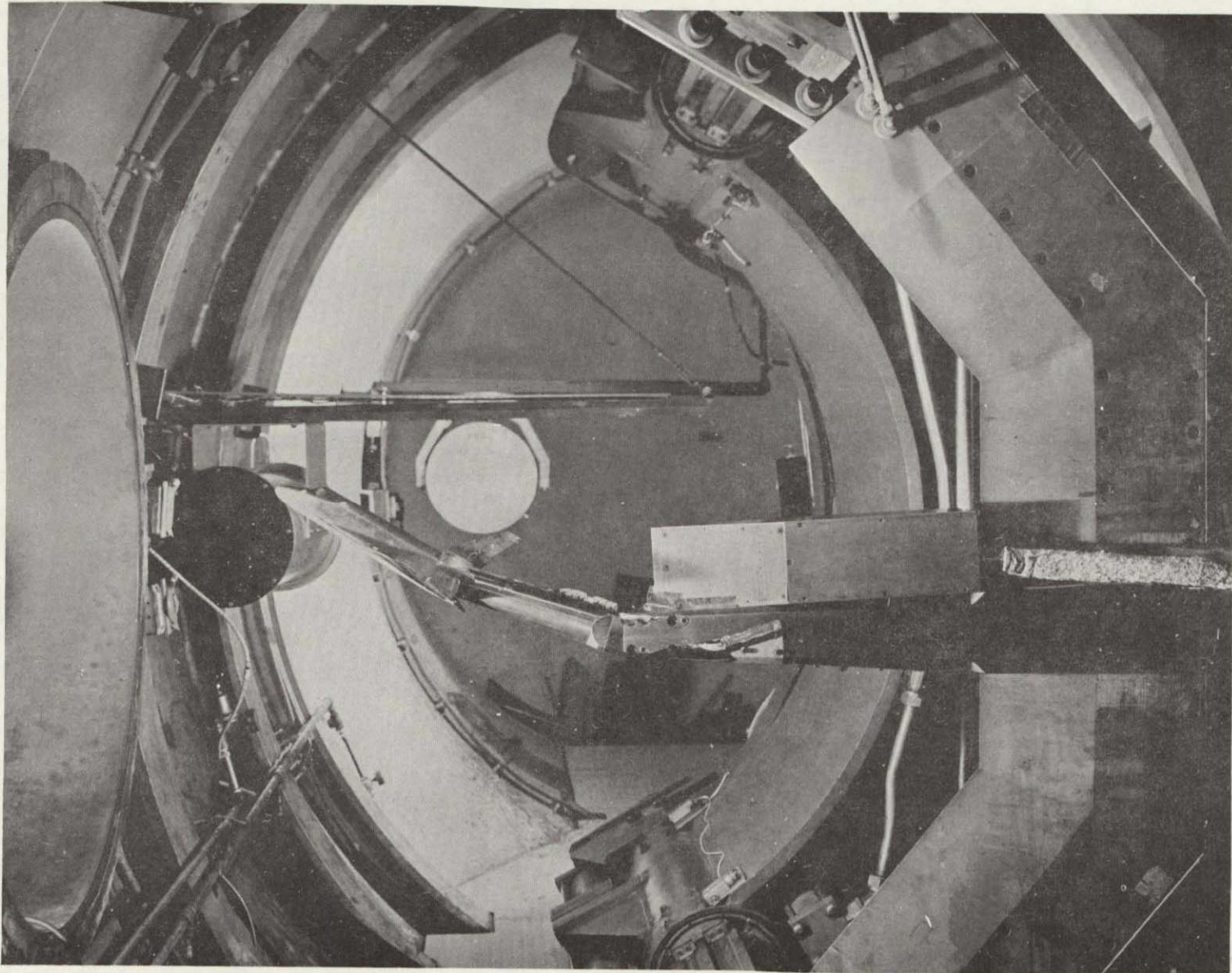


Figure 3. - Model installation photograph.

APPENDIX
TABULATED SOURCE DATA

VOLUME 3 Pages 739-1371

Tabulations of plotted data are available on request from
Data Management Services.

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 739

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ101) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BOFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0073	.1024	.1142	.0956	.0986	.0772
.300	.0078	.0138	.0158	.0274	.0399	
.500	.0047	.0088			.0624	
.750					.1383	
.900			.0578	.0271	.0563	

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0036	.0522	.0019	.0004	.0359	.0199
.300	-.0003	-.0045	-.0029	-.0008	.0079	
.500	-.0104	-.0080			.0210	
.750					.0622	
.900			-.0033	.0172	.0687	

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0110	.0411	.0145	.0160	.0741	.0000
.300	.0093	.0048	.0024	.0063	.0000	
.500	.0021	.0013			.0000	
.750					.0000	
.900			.0042	.0000	.0000	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ101)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0040	.0371	-.0008	.0001	.0577	.0236
.300	-.0050	-.0062	-.0089	-.0086	-.0016	
.500	-.0105	-.0084			.0028	
.750					-.0005	
.900			-.0065	-.0065	-.0049	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZI02) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = 41.533
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0120 .0583 .0815 .0000 .0641 .0583
 .300 -.0107 -.0096 -.0062 .0000 .0188
 .500 -.0149 -.0128 .0379
 .750 .1618
 .900 .0604 .0219 .0695

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0214 .0059 -.0056 .0019 .0242 .0243
 .300 -.0010 -.0092 -.0112 .0025 .0162
 .500 -.0122 -.0141 .0252
 .750 .0588
 .900 -.0009 .0271 .0597

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0143 .0003 -.0076 .0004 .0407 .0251
 .300 -.0079 -.0118 -.0112 -.0073 .0058
 .500 -.0123 -.0111 .0052
 .750 .0087
 .900 -.0043 -.0045 .0025

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 742

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ103) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 1.2695 1.1282 .5332 1.0722 .0688 1.0152
 .300 1.2635 1.0971 1.0368 1.0887 .9995
 .500 1.2174 .8043 .7817
 .750 .4169
 .900 1.1140 1.0000 1.2696

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 1.2709 1.2706 1.2705 1.2478 .0457 1.2285
 .300 1.2707 1.2698 1.2698 1.2697 1.2699
 .500 1.2708 1.2701 1.2381
 .750 1.2706
 .900 1.2705 1.2706 1.2705

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0507
 .300
 .500
 .750
 .900

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZI03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000

.300

.500

.750

.900

.0600

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000

.300

.500

.750

.900

.0737

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 744

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ104) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .1329 .1554 .2536 .2857 .0507 .3492
 .300 .1658 .2923 .2472 .1757 .1580
 .500 .1172 .1454 .3471
 .750 .2029
 .900 .3497 .2779 .2689

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0032 .0717 .0987 .0365 .0310 .0719
 .300 .0035 .0027 .0029 .0038 .0109
 .500 -.0030 -.0030 .0112
 .750 .0102
 .900 -.0075 -.0073 -.0031

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0347 .0180 .0060 .0134 .0320 .0329
 .300 .0086 .0018 .0005 .0093 .0174
 .500 -.0013 -.0027 .0162
 .750 .0684
 .900 -.0034 -.0018 .0061

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 745

ARC 3.5-198 OH38 140C OPB VERTICAL TAIL

(REZ104)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0145 .0072 -.0049 .0084 .0253 .0087
 .300 -.0023 -.0105 -.0123 -.0046 .0095
 .500 -.0115 -.0143 .0097
 .750 .2538
 .900 -.0124 -.0106 .0082

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0079 -.0071 -.0091 .0002 .0415 .0188
 .300 -.0083 -.0143 -.0149 -.0112 .0063
 .500 -.0143 -.0149 .0020
 .750 -.000.
 .900 -.0115 -.0090 -.0055

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ105) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0381	.0849	.0430	.0411	.0689	.0527
.300	.0396	.0342	.0301	.0432	.0435	
.500	.0304	.0293			.0434	
.750					.0395	
.900			.0274	.0295	.0310	

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0326	.1104	.1414	.2033	.0872	.0945
.300	.0350	.0346	.0379	.0474	.0503	
.500	.0286	.0296			.0493	
.750					.0418	
.900			.0292	.0301	.0306	

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0340	.0714	.0376	.0378	.0902	.0623
.300	.0365	.0301	.0270	.0303	.0457	
.500	.0286	.0270			.0362	
.750					.0411	
.900			.0292	.0313	.0333	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ106) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .29080 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0072 .0775 .0948 .1760 .0485 .0756
 .300 .0087 .0088 .0081 .0178 .0290
 .500 .0049 .0025 .0243
 .750 .0108
 .900 .0027 .0020 .0048

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 5.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0281 .0032 -.0013 .0059 .0196 .0248
 .300 .0013 -.0073 -.0085 -.0004 .0088
 .500 -.0091 -.0114 .0076
 .750 -.0028
 .900 -.0120 -.0106 -.0081

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0228 .0097 .0045 .0147 .0535 .0304
 .300 .0049 -.0008 -.0018 .0019 .0209
 .500 -.0015 -.0017 .0149
 .750 .0092
 .900 .0009 .0039 .0068

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ107) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2950 .5320 .7650 .9050

X/CV

.000 .0386 .1306 .1380 .1819 .0965 .0944
 .300 .0416 .0423 .0446 .0532 .0565
 .500 .0344 .0373 .0449 .0575
 .750 .0449
 .900 .0349 .0353 .0356

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0389 .0872 .0494 .0471 .0869 .0562
 .300 .0468 .0408 .0368 .0494 .0504
 .500 .0384 .0352 .0496
 .750 .0454
 .900 .0328 .0345 .0374

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0399 .0799 .0451 .0450 .1045 .0694
 .300 .0416 .0369 .0346 .0370 .0529
 .500 .0347 .0342 .0434
 .750 .0449
 .900 .0359 .0371 .0397

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ108) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0017	.0624	.0755	.1631	.0222	.0696
.300	.0001	-.0001	-.0005	.0084	.0201	
.500	-.0038	-.0058			.0153	
.750					.0059	
.900			-.0062	-.0063	-.0041	

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0495	.0235	.0138	.0219	.0341	.0357
.300	.0173	.0088	.0072	.0170	.0236	
.500	.0063	.0045			.0228	
.750					.0143	
.900			.0051	.0071	.0090	

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0227	.0126	.0065	.0159	.0581	.0344
.300	.0076	.0014	.0005	.0046	.0223	
.500	.0009	.0006			.0169	
.750					.0090	
.900			.0033	.0059	.0091	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ109) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0358	.1327	.1404	.1615	.0946	.0988
.300	.0379	.0378	.0395	.0474	.0528	
.500	.0310	.0318			.0531	
.750					.0390	
.900			.0317	.0307	.0309	

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0340	.1052	.1129	.1029	.0792	.1136
.300	.0357	.0350	.0367	.0389	.0378	
.500	.0310	.0312			.0367	
.750					.0393	
.900			.0285	.0296	.0308	

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0032	.0448	.0140	.0122	.0350	.0170
.300	.0000	.0030	-.0003	.0179	.0154	
.500	.0021	-.0019			.0153	
.750					.0089	
.900			-.0035	-.0011	.0013	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ109)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0074	.0137	.0092	.0123	.0487	.0186
.300	.0070	-.0017	-.0024	.0029	.0192	
.500	-.0019	.0000			.0000	
.750					.0091	
.900			-.0031	-.0018	.0046	

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0030	.0360	.0085	.0090	.0559	.0342
.300	.0050	.0000	-.0025	-.0001	.0175	
.500	-.0017	-.0031			.0092	
.750					.0060	
.900			-.0010	.0006	.0036	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZI10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0060	.0786	.0740	.1692	.0406	.0749
.300	.0087	.0084	.0080	.0178	.0390	
.500	.0051	.0048			.0245	
.750					.0124	
.900			.0024	.2639	.0049	

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0093	.0921	.0804	.0429	.0411	.0870
.300	.0110	.0117	.0119	.0148	.0333	
.500	.0045	.0075			.0226	
.750					.0135	
.900			.0014	.2428	.0051	

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0418	.0240	.0133	.0203	.0488	.0354
.300	.0172	.0081	.0062	.0164	.0222	
.500	.0066	.0035			.0216	
.750					.0121	
.900			.0033	.0052	.0072	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 01.58 140C ORB VERTICAL TAIL

(REZI110)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0377	.0257	.0121	.0273	.0494	.0248
.300	.0143	.0071	.0050	.0136	.0251	
.500	.0056	.0031			.0253	
.750					.0135	
.900			.0044	.0063	.0104	

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0252	.0166	.0105	.0196	.0630	.0368
.300	.0109	.0059	.0046	.0091	.0286	
.500	.0041	.0046			.0246	
.750					.0144	
.900			.0082	.0109	.0142	

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ111) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0080	.1059	.1035	.1870	.0422	.0737
.300	.0131	.0127	.0132	.0240	.0513	
.500	.0063	.0067			.0275	
.750					.0134	
.900			.0043	.4031	.0068	

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0272	.0711	.0188	.0190	.0291	.0252
.300	.0170	.0107	.0064	.0165	.0538	
.500	.0080	.0056			.0253	
.750					.0155	
.900			.0035	.5509	.0080	

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0115	.0388	.0137	.0147	.0555	.0394
.300	.0130	.0077	.0063	.0084	.0587	
.500	.0064	.0064			.0156	
.750					.0197	
.900			.0086	.7876	.0118	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ112) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0027	.0808	.1102	.1753	.0430	.0620
.300	.0058	.0041	.0075	.0174	.0305	
.500	-.0009	-.0002			.0195	
.750					.0054	
.900			.0000	.1645	-.0006	

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0024	.0000	.0000	.0000	.0000	.0000
.300	.0043	.0000	.0000	.0000	.0000	
.500	.0000	.0000			.0000	
.750					.0000	
.900			.0000	.0000	.0000	

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0043	.0388	.0108	.0094	.0223	.0289
.300	.0125	.0047	.0017	.0085	.0309	
.500	.0025	.0002			.0149	
.750					.0100	
.900			-.0036	.3063	.0013	

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ112)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0321	.0481	.0332	.0362	.0796	.0428
.300	.0319	.0239	.0214	.0259	.0613	
.500	.0234	.0199			.0445	
.750					.0308	
.900			.0217	.3196	.0274	

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0255	.0702	.0321	.0322	.0959	.0588
.300	.0297	.0256	.0222	.0243	.0636	
.500	.0241	.0219			.0341	
.750					.0308	
.900			.0237	.4234	.0267	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ113) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BOFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0067 .0648 .0687 .1514 .0287 .0589
 .300 -.0054 -.0045 -.0067 .0020 .0230
 .500 -.0081 -.0099 .0108
 .750 -.0065
 .900 -.0114 .1883 -.0094

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0040 .0721 .0729 .0337 .0208 .0724
 .300 -.0040 -.0051 -.0035 -.0010 .0170
 .500 -.0081 -.0085 .0056
 .750 -.0064
 .900 -.0138 .2612 -.0100

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0329 .0015 -.0044 .0018 .0159 .0201
 .300 .0018 -.0086 -.0099 .0015 .0170
 .500 -.0093 -.0132 .0077
 .750 -.0012
 .900 -.0125 .1734 -.0073

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ113)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0158	.0027	-.0045	.0104	.0187	.0086
.300	-.0018	-.0102	-.0117	-.0027	.0206	
.500	-.0102	-.0132			.0096	
.750					-.0006	
.900			-.0121	.2370	-.0069	

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0298	.0134	.0077	.0180	.0608	.0332
.300	.0087	.0027	.0019	.0061	.0319	
.500	.0021	.0021			.0205	
.750					.0099	
.900			.0037	.1549	.0090	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZI14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0114 .0555 .0978 .1782 .0228 .3462
 .300 -.0087 -.0108 -.0069 .0028 .0110
 .500 -.0156 -.0150 .0042
 .750 -.0022
 .900 -.0169 .0878 -.0133

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0023 .0163 -.0049 -.0048 .0138 .0041
 .300 -.0044 -.0135 -.0155 -.0075 .0092
 .500 -.0162 -.0170 .0002
 .750 -.0008
 .900 -.0195 .1188 -.0132

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0086 .0178 -.0097 -.0079 .0294 .0174
 .300 -.0097 -.0141 -.0160 -.0156 .0054
 .500 -.0156 -.0164 -.0052
 .750 .0124
 .900 -.0157 .1667 -.0096

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ115) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0062 .0766 .0722 .1594 .0258 .0657
 .300 -.0054 -.0030 -.0056 .0030 .0265
 .500 -.0079 -.0091 .0116
 .750 -.0040
 .900 -.0109 .2174 -.0086

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0358 .0074 -.0017 .0079 .0179 .0223
 .300 .0032 -.0073 -.0085 -.0002 .0201
 .500 -.0086 -.0122 .0061
 .750 -.0038
 .900 -.0132 .3027 -.0080

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0320 .0175 .0106 .0210 .0680 .0400
 .300 .0113 .0061 .0056 .0097 .0363
 .500 .0055 .0055 .0204
 .750 .0128
 .900 .0071 .2711 .0109

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ116) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0123 .0108 .0019 .0033 .1232 .0000
 .300 -.0128 -.0125 -.0116 -.0057 .0144
 .500 -.0136 -.0127 .0097
 .750 .0036
 .900 -.0122 -.0111 -.0082

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0130 .0319 .0006 -.0033 .0228 .0787
 .300 -.0130 -.0130 -.0135 -.0119 -.0079
 .500 -.0166 -.0155 -.0084
 .750 -.0054
 .900 -.0166 -.0145 -.0126

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0161 .0345 -.0016 -.0054 .0188 .0000
 .300 -.0053 -.0102 -.0133 -.0085 .0000
 .500 -.0151 -.0151 .0000
 .750 -.0065
 .900 -.0178 -.0168 -.0134

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ116)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) VERTICAL TAIL DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0024	-.0009	-.0071	-.0109	.0515	.0119
.300	-.0059	-.0154	-.0169	-.0093	.0082	
.500	-.0150	-.0182			.0078	
.750					-.0054	
.900			-.0162	-.0153	-.0080	

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0214	-.0095	-.0088	-.0119	.0270	-.0058
.300	-.0051	-.0084	-.0103	-.0084	-.0054	
.500	-.0095	-.0085			-.0037	
.750					-.0005	
.900			-.0076	-.0057	-.0031	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ117) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0130 .0563 .0227 .0131 .1217 .0727
 .300 -.0115 -.0107 -.0119 -.0059 .0123
 .500 -.0139 -.0147 .0085
 .750 -.0021
 .900 -.0137 -.0138 -.0120

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0127 .0327 -.0023 .0000 .0238 .0000
 .300 -.0051 -.0092 -.0128 .0000 .0000
 .500 -.0123 -.0139 .0000
 .750 .0000
 .900 -.0169 .0000 .0000

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0111 .0173 -.0088 -.0141 .0292 .0201
 .300 -.0098 -.0131 -.0159 -.0130 .0056
 .500 -.0154 -.0149 -.0025
 .750 -.0021
 .900 -.0142 -.0123 -.0104

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ118) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0252 .0477 .0342 .0858 .1193 .1414
 .300 .0056 .0056 .0054 .0240 .0203
 .500 .0025 .0015 .0186
 .750 .0136
 .900 -.0006 .0026 .0069

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0080 .0399 .0207 .0170 .0965 .0596
 .300 .0021 .0027 .0011 .0032 .0192
 .500 -.0011 .0005 .0157
 .750 .0068
 .900 -.0026 .0015 -.0000

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0076 .0495 .0385 .0208 .0133 .0072
 .300 .0009 .0030 .0007 -.0010 -.0019
 .500 -.0005 -.0030 .0009
 .750 -.0001
 .900 -.0042 -.0054 -.0042

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ118)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0193	.0366	.0228	.0140	.0264	.0101
.300	.0067	.0014	-.0003	.0020	.0051	
.500	-.0010	-.0014			.0061	
.750					.0051	
.900			-.0005	-.0000	-.0009	

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0023	.0264	.0151	.0070	.0329	.0143
.300	.0021	-.0000	.0020	.0039	.0107	
.500	-.0028	-.0001			.0105	
.750					.0062	
.900			.0018	.0022	.0036	

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0075	.0229	.0106	.0059	.0432	.0121
.300	.0067	.0057	.0070	.0088	.0094	
.500	.0044	.0049			.0082	
.750					.0128	
.900			.0061	.0062	.0102	

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0156	.0167	.0131	.0082	.0128	.0070
.300	.0111	.0107	.0083	.0088	.0095	
.500	.0067	.0098			.0064	
.750					.0139	
.900			.0091	.0070	.0070	

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ119) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0091 .0529 .0412 .0719 .0872 .0437
 .300 .0033 .0047 .0050 .0128 .0206
 .500 .0002 .0003 .0319
 .750 .0575
 .900 .0181 .0256 .0360

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0091 .0515 .0440 .0311 .0380 .0340
 .300 .0021 .0018 .0021 .0062 .0114
 .500 -.0018 -.0015 .0148
 .750 .0220
 .900 .0158 .0167 .0215

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0201 .0379 .0218 .0140 .0351 .0135
 .300 .0059 .0022 .0015 .0041 .0098
 .500 -.0005 -.0001 .0141
 .750 .0200
 .900 .0029 .0089 .0188

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZI19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0026	.0263	.0169	.0140	.0416	.0149
.300	.0033	.0025	.0022	.0033	.0103	
.500	-.0013	.0009			.0153	
.750					.0178	
.900			.0030	.0053	.0162	

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0160	.0107	.0081	.0073	.0469	.0082
.300	.0074	.0068	.0074	.0056	.0053	
.500	.0036	.0075			.0181	
.750					.0083	
.900			.0051	.0051	.0075	

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0309	.0082	.0073	.0069	.0494	.0079
.300	.0081	.0047	.0071	.0077	.0083	
.500	.0048	.0059			.0122	
.750					.0095	
.900			.0057	.0070	.0089	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ120) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV	.000	.0021	.0430	.0350	.0595	.0761
.300	-.0027	.0003	-.0012	.0030	.0025	.0319
.500	-.0054	-.0033			-.0002	
.750					.0136	
.900			-.0043	-.0035	-.0019	

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV	.000	.0028	.0437	.0420	.0251	.0319
.300	-.0021	.0016	.0028	-.0008	-.0034	.0237
.500	-.0051	-.0017			-.0015	
.750					.0164	
.900			-.0049	-.0035	-.0020	

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV	.000	.0236	.0425	.0252	.0165	.0327
.300	.0098	.0045	.0044	.0039	.0061	.0144
.500	.0012	.0017			.0062	
.750					.0071	
.900			.0026	.0031	.0029	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 769

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ120)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0044	.0289	.0208	.0178	.0425	.0149
.300	.0056	.0000	.0062	.0057	.0110	
.500	.0035	.0042			.0108	
.750					.0099	
.900			.0061	.0054	.0069	

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0134	.0170	.0119	.0103	.0475	.0121
.300	.0095	.0084	.0087	.0074	.0076	
.500	.0047	.0101			.0184	
.750					.0143	
.900			.0074	.0077	.0087	

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0348	.0072	.0074	.0081	.0496	.0099
.300	.0121	.0067	.0086	.0088	.0100	
.500	.0064	.0077			.0109	
.750					.0124	
.900			.0081	.0103	.0117	

REPRODUCIBILITY OF THE
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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ130) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0015	.0841	.1053	.1562	.0906	.0599
.300	.0050	.0039	.0070	.0165	.0191	
.500	-.0024	.0001			.0200	
.750					.0091	
.900			-.0029	-.0015	-.0014	

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0000	.0000	.0000	.0000	.0000	.0000
.300	.0000	.0000	.0000	.0000	.0000	
.500	.0000	.0000			.0000	
.750					.0000	
.900			.0000	.0000	.0000	

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0104	.0470	.0774	.0717	.0402	.0056
.300	-.0076	-.0096	-.0062	-.0035	-.0054	
.500	-.0125	-.0135			-.0063	
.750					-.0116	
.900			-.0156	-.0033	-.0135	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ130)

ALPHA (4) = 39.991 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0030	.0335	.0049	.0028	.0459	.0208
.300	.0078	.0047	.0026	.0022	.0042	
.500	.0013	.0012			.0039	
.750					.0095	
.900			.0023	.0033	.0061	

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0098	.0086	.0034	.0037	.0409	.0106
.300	.0058	.0013	.0029	.0040	.0056	
.500	.0015	.0025			.0056	
.750					.0112	
.900			.0047	.0060	.0072	

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0164	-.0019	-.0071	-.0058	.0367	-.0032
.300	-.0045	-.0065	-.0069	-.0054	-.0037	
.500	-.0055	-.0047			-.0020	
.750					-.0029	
.900			-.0058	.0099	-.0035	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ131) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0117 .0675 .0614 .1478 .0764 .0515
 .300 -.0110 -.0089 -.0108 -.0020 .0090
 .500 -.0138 -.0156 .0043
 .750 -.0087
 .900 -.0165 -.0165 -.0141

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0029 .0040 -.0069 .0011 .0338 .0252
 .300 -.0095 -.0136 -.0145 -.0063 .0046
 .500 -.0167 -.0169 .0037
 .750 -.0094
 .900 -.0178 -.0166 -.0131

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ132) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .2066 .1559 .1388 .1248 .1741 .1884
 .300 .0110 .0001 -.0012 .0142 .0150
 .500 -.0108 -.0112 .0105
 .750 -.0100
 .900 -.0156 .0111 -.0126

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0106 .0933 .0995 .1657 .0669 .0474
 .300 -.0064 -.0076 -.0051 .0037 .0060
 .500 -.0142 -.0124 .0055
 .750 -.0086
 .900 -.0164 -.0112 -.0150

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0108 .0496 .0741 .0658 .0334 .0734
 .300 -.0074 -.0094 -.0070 -.0047 -.0068
 .500 -.0121 -.0140 -.0046
 .750 -.0132
 .900 -.0166 -.0065 -.0139

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ132)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0037	.0154	-.0052	-.0045	.0164	.0077
.300	-.0003	-.0112	-.0133	-.0022	.0001	
.500	-.0120	-.0152			.0014	
.750					-.0093	
.900			-.0181	-.0170	-.0128	

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0004	.0023	-.0092	-.0025	.0352	.0080
.300	-.0066	-.0145	-.0163	-.0115	.0047	
.500	-.0144	-.0185			.0035	
.750					-.0065	
.900			-.0170	-.0160	-.0131	

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0065	.0241	-.0081	-.0050	.0376	.0220
.300	-.0072	-.0124	-.0154	-.0139	-.0049	
.500	-.0137	-.0154			-.0065	
.750					-.0111	
.900			-.0143	-.0013	-.0108	

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0028	-.0011	-.0086	-.0064	.0335	.0052
.300	-.0074	-.0133	-.0133	-.0108	-.0080	
.500	-.0119	-.0119			-.0053	
.750					-.0066	
.900			-.0112	-.0018	-.0063	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ132)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0053	.0086	-.0081	-.0084	.1440	-.0045
.300	-.0089	-.0058	-.0058	-.0077	.0000	
.500	-.0104	-.0062			.0008	
.750					-.0027	
.900			-.0087	.0189	.0000	

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ133) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPOBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0100	.0728	.0626	.1544	.0716	.0608
.300	-.0098	-.0069	-.0096	-.0001	.0111	
.500	-.0132	-.0133			.0065	
.750					-.0065	
.900			-.0145	-.0139	-.0128	

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0078	.0565	.0754	.0306	.0426	.0623
.300	-.0071	-.0080	-.0045	-.0050	.0003	
.500	-.0118	-.0121			-.0002	
.750					-.0115	
.900			-.0169	-.0055	-.0128	

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0225	.0091	-.0087	.0028	.1872	.0044
.300	-.0057	-.0135	-.0152	-.0094	.0030	
.500	-.0147	-.0164			.0036	
.750					-.0106	
.900			-.0161	-.0047	-.0132	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ133)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0088	-.0056	-.0111	-.0007	.0402	.0199
.300	-.0104	-.0154	-.0162	-.0123	.0023	
.500	-.0156	-.0165			-.0015	
.750					-.0091	
.900			-.0148	-.0119	-.0106	

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ134) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPOBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .2228 .1711 .1418 .1247 .1740 .0000
 .300 .0198 .0089 .0074 .0200 .0219
 .500 -.0029 -.0018 .0184
 .750 -.0007
 .900 -.0048 .0233 -.0034

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0124 .0769 .0864 .1525 .0701 .0412
 .300 -.0086 -.0080 -.0061 .0041 .0052
 .500 -.0154 -.0130 .0059
 .750 -.0042
 .900 -.0151 -.0133 -.0145

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0067 .0554 .0823 .0740 .0403 .0755
 .300 -.0036 -.0059 -.0034 -.0018 -.0036
 .500 -.0080 -.0095 -.0035
 .750 -.0095
 .900 -.0124 -.0076 -.0106

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ134)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0108	.0237	-.0033	-.0042	.0170	.0046
.300	-.0048	-.0116	-.0141	.0032	-.0008	
.500	-.0134	-.0152			-.0023	
.750					-.0042	
.900			-.0178	-.0156	-.0132	

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0052	.0074	.0008	.0062	.0390	.0094
.300	-.0021	-.0098	-.0108	-.0065	.0086	
.500	-.0095	-.0130			.0079	
.750					-.0054	
.900			-.0119	-.0028	-.0069	

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0113	.0191	-.0075	-.0073	.0329	.0166
.300	-.0088	-.0128	-.0160	-.0134	-.0075	
.500	-.0146	-.0153			-.0093	
.750					-.0026	
.900			-.0140	-.0108	-.0089	

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0040	.0047	-.0042	-.0031	.0373	.0069
.300	-.0023	-.0070	-.0067	-.0049	-.0040	
.500	-.0071	-.0071			-.0032	
.750					-.0021	
.900			-.0050	-.0063	-.0024	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ134)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0182	.0134	.0039	-.0023	.1691	.0054
.300	.0020	-.0011	.0018	.0013	.0060	
.500	-.0049	.0034			.0137	
.750					.0038	
.900			.0018	.0263	.0022	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ135) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0122 .0819 .0899 .1073 .0698 .0543
 .300 -.0080 -.0059 -.0036 .0104 .0200
 .500 -.0129 -.0100 .0433
 .750 .0934
 .900 .0599 .0121 .0443

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0134 .0323 .0043 .0199 .0226 .0731
 .300 -.0124 -.0116 -.0114 -.0015 .0091
 .500 -.0151 -.0134 .0121
 .750 .0184
 .900 .0615 .0195 .0213

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0112 .0234 -.0047 -.0057 .0188 .0046
 .300 -.0103 -.0139 -.0160 .0007 .0030
 .500 -.0150 -.0160 .0120
 .750 .0753
 .900 -.0138 .0084 .0557

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ135)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0115	-.0040	-.0084	-.0065	.0349	.0024
.300	-.0107	-.0154	-.0159	-.0142	.0050	
.500	-.0162	-.0165			.0203	
.750					.0460	
.900			-.0140	-.0137	.0213	

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0153	.0165	-.0129	-.0119	.0311	.0139
.300	-.0113	-.0139	-.0155	-.0146	-.0095	
.500	-.0148	-.0171			-.0101	
.750					-.0084	
.900			-.0145	-.0131	-.0123	

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0099	.0013	-.0109	-.0086	.0289	.0039
.300	-.0086	-.0118	-.0119	-.0102	-.0076	
.500	-.0129	-.0128			-.0081	
.750					-.0056	
.900			-.0084	-.0097	-.0049	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 783

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ136) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.1274	.2030	.1522	.1282	.1764	.1957
.300	.0043	.0041	.0002	.0169	.0164	
.500	-.0106	-.0111			.0144	
.750					-.0076	
.900			-.0162	-.0136	-.0119	

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0144	.0593	.0908	.0320	.0399	.0630
.300	-.0103	-.0111	-.0083	-.0091	.0024	
.500	-.0166	-.0149			-.0106	
.750					.0007	
.900			-.0176	.1781	-.0162	

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0033	.0398	.0034	.0022	.1062	.0166
.300	-.0011	-.0055	-.0093	.0033	.0086	
.500	-.0081	-.0092			.0076	
.750					-.0047	
.900			-.0116	.0112	-.0077	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ136)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0108	-.0065	-.0095	-.0095	.0408	.0009
.300	-.0086	-.0122	-.0126	-.0101	-.0096	
.500	-.0140	-.0110			-.0008	
.750					-.0072	
.900			-.0118	-.0091	-.0076	

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0217	.0027	-.0013	-.0008	.1622	.0005
.300	.0007	-.0025	-.0020	-.0010	.0020	
.500	-.0018	-.0001			.0033	
.750					.0035	
.900			.0004	.0186	.0029	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ137) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .2001 .1065 .1386 .1148 .1750 .1925
 .300 .0106 .0039 .0050 .0254 .0142
 .500 -.0015 -.0093 .0138
 .750 -.0057
 .900 -.0168 -.0121 -.0086

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0108 .0467 .0638 .1716 .0738 .0554
 .300 -.0090 -.0072 -.0051 .0010 .0108
 .500 -.0120 -.0142 .0073
 .750 -.0107
 .900 -.0166 -.0171 -.0143

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(REZ138) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BOFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0124 .0627 .0544 .1658 .0668 .0489
 .300 -.0095 -.0055 -.0054 -.0003 .0092
 .500 -.0124 -.0150 .0058
 .750 -.0125
 .900 -.0177 -.0144 -.0153

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0114 .0793 .0855 .0329 .0565 .0742
 .300 -.0105 -.0097 -.0081 -.0075 -.0007
 .500 -.0144 -.0149 -.0005
 .750 -.0134
 .900 -.0190 -.0151 -.0154

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ103) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0118 .0573 .0909 .1994 .0271 .0483
 .300 -.0075 -.0104 -.0074 .0047 .0338
 .500 -.0142 -.0145 .0063
 .750 -.0057
 .900 -.0143 .4471 -.0115

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0122 .0441 .0329 .0478 .0191 .0778
 .300 -.0105 -.0120 -.0112 -.0079 .0318
 .500 -.0158 -.0147 -.0045
 .750 -.0089
 .900 -.0176 .6197 -.0132

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0133 .0291 -.0011 -.0023 .0139 .0114
 .300 -.0057 -.0093 -.0122 -.0045 .0422
 .500 -.0090 -.0137 .0033
 .750 -.0094
 .900 -.0175 .8014 -.0124

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ103)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0094	.0004	-.0062	-.0039	.0233	.0100
.300	-.0083	-.0149	-.0152	-.0113	.0188	
.500	-.0151	-.0162			.0003	
.750					-.0065	
.900			-.0139	.1923	-.0106	

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0091	.0047	-.0093	-.0097	.0363	.0033
.300	-.0069	-.0110	-.0113	-.0110	.0092	
.500	-.0128	-.0122			-.0072	
.750					-.0023	
.900			-.0117	.2771	-.0078	

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0085	-.0076	-.0107	-.0086	.0561	.0012
.300	-.0106	-.0133	-.0120	-.0099	.0175	
.500	-.0136	-.0124			-.0053	
.750					-.0045	
.900			-.0107	.4134	-.0062	

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0106	-.0039	-.0078	-.0073	.0691	-.0047
.300	-.0053	-.0081	-.0069	-.0049	.0193	
.500	-.0069	-.0055			-.0018	
.750					.0011	
.900			-.0056	.3518	-.0021	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 789

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ104) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0108 .0683 .0623 .1569 .0766 .0563
 .300 -.0090 -.0064 -.0086 -.0001 .0101
 .500 -.0119 -.0143 .0067
 .750 -.0046
 .900 -.0160 -.0156 -.0132

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0104 .0540 .0800 .0274 .0162 .0570
 .300 -.0085 -.0099 -.0092 -.0086 .0095
 .500 -.0125 -.0137 -.0001
 .750 -.0115
 .900 -.0185 .1615 -.0155

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0158 .0026 -.0074 -.0001 .0141 .0220
 .300 -.0080 -.0132 -.0142 -.0066 .0154
 .500 -.0160 -.0175 .0034
 .750 -.0104
 .900 -.0177 .2262 -.0137

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ104)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0003	.0002	-.0084	.0035	.0199	.0044
.300	-.0075	-.0139	-.0157	-.0098	.0151	
.500	-.0149	-.0161			.0089	
.750					-.0022	
.900			-.0167	.1653	-.0123	

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0121	-.0105	-.0126	-.0053	.0384	.0238
.300	-.0105	-.0157	-.0149	-.0120	.0051	
.500	-.0154	-.0147			-.0036	
.750					-.0010	
.900			-.0129	.1366	-.0068	

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0029	-.0115	-.0124	-.0074	.0629	.0110
.300	-.0119	-.0149	-.0135	-.0114	.0071	
.500	-.0129	-.0125			-.0039	
.750					-.0036	
.900			-.0114	.2264	-.0041	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ105) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0110 .0758 .0928 .1687 .0665 .0458
 .300 -.0069 -.0079 -.0054 .0048 .0058
 .500 -.0143 -.0130 .0070
 .750 -.0063
 .900 -.0152 -.0132 -.0141

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0012 .0292 -.0014 -.0024 .0175 .0077
 .300 -.0045 -.0090 -.0130 .0010 .0013
 .500 -.0122 -.0139 .0008
 .750 -.0051
 .900 -.0157 -.0137 -.0128

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0094 .0016 -.0059 -.0018 .0433 .0080
 .300 -.0069 -.0127 -.0140 -.0103 .0050
 .500 -.0146 -.0130 -.0012
 .750 -.0111
 .900 -.0116 .0055 -.0095

ARC 3.5-198 OH3B 140C ORB VERTICAL TAIL

(XEZ105)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0087	.0268	-.0073	-.0081	.0292	.0185
.300	-.0061	-.0090	-.0113	-.0104	-.0078	
.500	-.0127	-.0119			-.0095	
.750					-.0021	
.900			-.0095	-.0096	-.0076	

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0044	-.0040	-.0096	-.0098	.0344	-.0016
.300	-.0061	-.0103	-.0088	-.0088	-.0049	
.500	-.0128	-.0091			-.0039	
.750					-.0061	
.900			-.0093	.0132	-.0058	

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0130	-.0028	-.0093	-.0081	.0344	-.0046
.300	-.0053	-.0075	-.0069	-.0064	-.0019	
.500	-.0081	-.0077			-.0020	
.750					-.0049	
.900			-.0067	.0161	-.0038	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ106) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0124 .0600 .0529 .1643 .0655 .0471
 .300 -.0101 -.0060 -.0055 -.0005 .0091
 .500 -.0132 -.0153 .0043
 .750 -.0132
 .900 -.0173 -.0083 -.0162

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0069 .0533 .0739 .0254 .0407 .0557
 .300 -.0049 -.0067 -.0058 -.0047 .0020
 .500 -.0095 -.0116 .0013
 .750 -.0117
 .900 -.0165 -.0099 -.0136

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0137 .0001 -.0071 -.0001 .0276 .0180
 .300 -.0066 -.0135 -.0150 -.0054 -.0004
 .500 -.0166 -.0175 .0004
 .750 -.0126
 .900 -.0184 -.0086 -.0151

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ106)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	.0219	.0009	-.0076	.0058	.0260	.0027
.300	-.0042	-.0131	-.0149	-.0079	.0035	
.500	-.0126	-.0171			.0049	
.750					-.0081	
.900			-.0151	-.0085	-.0113	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ111) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .1535 .1777 .1434 .1279 .1757 37.0544
 .300 .0091 .0006 -.0020 .0160 .0146
 .500 -.0102 -.0129 .0104
 .750 -.0101
 .900 -.0182 .0015 -.0135

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0108 .0774 .0935 .1577 .0757 .0457
 .300 -.0069 -.0089 -.0059 .0034 .0065
 .500 -.0145 -.0130 .0065
 .750 -.0085
 .900 -.0157 -.0144 -.0147

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0124 .0476 .0271 .0360 .0394 .0742
 .300 -.0124 -.0120 -.0122 -.0093 -.0060
 .500 -.0162 -.0163 -.0089
 .750 -.0153
 .900 -.0200 .0049 -.0158

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ111)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0051	.0217	-.0028	-.0021	.0191	.0074
.300	-.0028	-.0108	-.0137	.0027	.0014	
.500	-.0124	-.0150			.0006	
.750					-.0062	
.900			-.0171	-.0143	-.0123	

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0071	.0024	-.0049	-.0006	.0424	.0083
.300	-.0064	-.0125	-.0130	-.0093	.0050	
.500	-.0125	-.0143			.0021	
.750					-.0108	
.900			-.0122	.0011	-.0105	

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	-.0073	.0195	-.0090	-.0093	.0290	.0104
.300	-.0069	-.0100	-.0114	-.0103	-.0079	
.500	-.0126	-.0107			-.0077	
.750					-.0031	
.900			-.0104	-.0084	-.0057	

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000	.0078	-.0063	-.0084	-.0074	.0346	-.0010
.300	-.0042	-.0079	-.0085	-.0074	-.0042	
.500	-.0096	-.0087			-.0046	
.750					-.0037	
.900			-.0075	.0077	-.0041	

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(XEZ1111)

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050	
X/CV							
.000	.0245	-.0073	-.0064	-.0055	.0385	-.0028	
.300	-.0031	-.0056	-.0037	-.0045	-.0017		
.500	-.0054	-.0053			-.0013		
.750					-.0014		
.900			-.0049	.0103	-.0027		

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(YEZ103) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0138 .0425 .0668 .2463 .0541 .0435
 .300 -.0091 -.0118 -.0120 .0015 .0033
 .500 -.0144 -.0180 -.0017
 .750 -.0149
 .900 -.0185 -.0038 -.0179

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0059 .0255 -.0009 -.0022 .0151 .0035
 .300 -.0052 -.0119 -.0146 .0018 .0001
 .500 -.0133 -.0157 .0011
 .750 -.0060
 .900 -.0169 -.0151 -.0136

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 -.0099 -.0002 -.0062 -.0007 .0342 .0017
 .300 -.0108 -.0160 -.0168 -.0150 .0018
 .500 -.0162 -.0180 .0024
 .750 -.0119
 .900 -.0181 -.0020 -.0143

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(YEZ103)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) VERTICAL TAIL DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0112	.0196	-.0079	-.0075	.0351	.0178
.300	-.0092	-.0137	-.0160	-.0131	-.0074	
.500	-.0164	-.0152			-.0105	
.750					-.0039	
.900			-.0139	-.0119	-.0095	

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) VERTICAL TAIL DEPENDENT VARIABLE CP

Z/BV	.0000	.1500	.2990	.5320	.7650	.9050
X/CV						
.000	-.0100	-.0014	-.0121	-.0099	.0293	.0020
.300	-.0113	-.0132	-.0126	-.0116	-.0088	
.500	-.0142	-.0131			-.0081	
.750					-.0078	
.900			-.0110	.0024	-.0076	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB VERTICAL TAIL

(YEZ104) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0301 .0095 -.0078 -.0006 .0271 .0166
 .300 -.0063 -.0133 -.0146 -.0029 .0036
 .500 -.0157 -.0165 .0036
 .750 -.0062
 .900 -.0175 -.0146 -.0122

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) VERTICAL TAIL

DEPENDENT VARIABLE CP

Z/BV .0000 .1500 .2990 .5320 .7650 .9050

X/CV

.000 .0066 .0007 -.0111 -.0001 .0432 .0162
 .300 -.0106 -.0163 -.0162 -.0123 .0030
 .500 -.0157 -.0156 -.0008
 .750 -.0051
 .900 -.0137 -.0111 -.0074

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8337													
16.000		.8094													
17.000															
19.500	.8164												.2802		
20.000					.3780		.2767								
22.000		.6040													
23.500													.2710		
26.000		.4834							.2464		.2657				
26.500					.3967										
32.000					.3516								.2896		
33.500		.3775													
35.500							.2481								
37.000					.2381										
39.500							.2266								
41.000									.2321						
42.500			.2470		.2665										
43.500							.1685								
45.000													.3046		
47.500							.1211		.1950						
51.000							.1926								
52.000													.0312		
53.000				.0695											
53.500									.0819						
55.500								.0985							
56.500															
57.000								.1908							-.0018
59.000					.1661										
66.000												.0035			
66.500									.2748						
71.000									.0773						
72.000															
75.000															-.0024
76.500									.0583				-.0007		
81.000										.1255					
82.500									.0579						
85.000													.0033		
90.000					.0740	.1385	.0964			.0524					-.0023
95.000												.0221			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ01)

ALPHA (1) = 19.942 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
95.500								.0700						
96.000														
100.500										.0417	.0228		.0324	
109.000										.0200	.0203			
111.000														
122.000								.0376					.0009	
122.500														
145.000								.0467			-.0006			
X/L	.9000	.9500												
PHI														
24.000	.1882													
24.500		.2045												

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.2636												
16.000		1.1338												
17.000														
19.500	.7734												.6026	
20.000														
22.000		.8540			.7294		.8464							
23.500														
26.000		.6133							.4804		.5781			.5600
26.500					.8750									
32.000					.7242								.6042	
33.500		.3045												
35.500														
37.000					.3620		.4671							
39.500							.3481							
41.000									.4689					
42.500			.1987		.1834									
43.500							.2796							
45.000														
47.500							.1583		.3637				.6202	
51.000							.0826							
52.000													.0226	
53.000				.0448										
53.500									.1019					

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ01)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0240							
56.500															
57.000								.0305							-.0148
59.000					.1244										
66.000															
66.500													-.0114		
71.000								.1862							
72.000								.0391							
75.000															-.0157
76.500													-.0154		
81.000									.0305						
82.500									.0297	.0326					
85.000															
90.000					.0288	.0450	.0651			.0261				-.0141	
95.000															-.0144
95.500								.0324				.0087			
96.000															
100.500											.0218		-.0090		
109.000										.0364					
111.000										.0134	.0150				
122.000															
122.500								-.0073						-.0137	
145.000								-.0124			-.0121				
X/L	.9000	.9500													
PHI															
24.000	.4076														
24.500		.4281													

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.2539													
16.000		1.1487													
17.000															
19.500	.7188												.7009		
20.000					.8120		.6695								
22.000		.8083													
23.500															
26.000		.5553							.6501		.6749			.6695	

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(REZJO1)

DEPENDENT VARIABLE CP

[illegible]

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZJ01)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.6431													
16.000		1.4817													
17.000													.8894		
19.500	.9226														
20.000					1.1941		1.1190								
22.000		.8980													
23.500														.8529	
26.000		.5880							1.1359		.8595				
26.500					1.0876										
32.000					.9653								.8885		
33.500		.2566													
35.500							.9516								
37.000					.4127										
39.500							.8741								
41.000									.6903						
42.500			.1712		.1888										
43.500							.3646								
45.000													.8806		
47.500							.1871		.5076						
51.000							.0905								
52.000													.0546		
53.000				.0481											
53.500									.1296						
55.500								.0288							
56.500															- .0131
57.000								.0327							
59.000					.1164										
66.000													- .0106		
66.500									.1164						
71.000									.0420						- .0139
72.000															
75.000													- .0131		
76.500									.0446						
81.000										.0336					
82.500									.0430						
85.000													- .0129		
90.000					.0196	.0404	.0734			.0452					- .0128
95.000												.0050			
95.500								.0435							
96.000											.0370		- .0125		
100.500										.0491					
109.000											.0340				
111.000										.0259					
122.000									- .0046				- .0152		
122.500											- .0109				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ01)

ALPHA (4) = 40.034 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0113

X/L	.9000	.9500
-----	-------	-------

PHI
24.000
24.500

.6761

.6804

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ02) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8300													
16.000		.8017													
17.000															
19.500	.8194												.2836		
20.000					.3938		.2716								
22.000		.6573													
23.500														.2550	
26.000		.5161						.2561		.2594					
26.500					.3846										
32.000					.3555									.2887	
33.500		.0000													
35.500							.2480								
37.000					.2403										
39.500							.2295								
41.000								.2210							
42.500			.0000		.0000										
43.500							.1590								
45.000													.3088		
47.500							.1004		.1848						
51.000							.0809								
52.000													.0069		
53.000				.0696											
53.500								.0533							
55.500								.0234							
56.500															
57.000								.0243							-.0208
59.000					.0000										
66.000													-.0166		
66.500								.0672							
71.000								.0530							
72.000															
75.000															-.0207
76.500													-.0190		
81.000								.0412		.0240					
82.500								.0512							
85.000															
90.000						.0469	.0662	.0523		.0142			-.0132		-.0204
95.000												.0042			

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ02)

ALPHA (1) = 19.866 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
95.500									.0177							
96.000												.0049		.0075		
100.500											.0049					
109.000												.0007				
111.000																
122.000																
122.500									.0086						-.0183	
145.000													-.0193			
									-.0149							
X/L		.9000	.9500													
PHI																
24.000		.1673														
24.500			.1542													

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP												
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290	
PHI																
10.000		1.1568														
16.000		1.0842														
17.000																
19.500	.7812												.5591			
20.000																
22.000		.7516			.6946		.5680									
23.500																
26.000		.5336												.5332		
26.500					.6456					.5538	.5262					
32.000					.5565											
33.500		.2969											.5584			
35.500																
37.000					.3124		.4829									
39.500							.4153									
41.000										.4216						
42.500			.1889		.1721											
43.500							.2446									
45.000																
47.500							.1247		.3218				.5765			
51.000							.0752									
52.000																
53.000				.0415									.0403			
53.500									.0729							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ02)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0164							
56.500															
57.000								.0261							-.0146
59.000					.1165										
66.000													-.0123		
66.500									.0824						
71.000								.0307							
72.000															
75.000															
76.500								.0270						-.0163	
81.000										.0311					
82.500								.0266							
85.000															
90.000					.0149	.0398	.0583			.0233				-.0156	
95.000															-.0143
95.500								.0298				.0221			
96.000															
100.500											.0212		-.0069		
109.000										.0206					
111.000										.0132					
122.000									-.0113					-.0163	
122.500															
145.000								-.0158			-.0153				

X/L .9000 .9500

PHI	
24.000	.3837
24.500	.3134

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4910													
15.000		1.3533													
17.000															
19.500	.7198													.8819	
20.000					1.0718		.9397								
22.000		.8622													
23.500															.8784
26.000		.5516							.9229		.8430				

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(REZJ02)

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
26.500					.9617										
32.000					.7961										
33.500		.2506											.8756		
35.500							.7656								
37.000					.3998										
39.500							.6461								
41.000									.6623						
42.500		.1654			.1850										
43.500							.3526								
45.000													.8655		
47.500							.1652		.4833						
51.000							.0873								
52.000													.0785		
53.000				.0471											
53.500									.0971						
55.500								.0232							
56.500															
57.000							.0299								-.0123
59.000					.1086										
66.000													-.0105		
66.500									.0603						
71.000									.0417						
72.000															
75.000															-.0123
76.500													-.0136		
81.000									.0446						
82.500										.0371					
85.000									.0422						
90.000					.0074	.0382	.0719						-.0140		
95.000										.0444					-.0121
95.500												.0158			
96.000								.0430							
100.500											.0396		-.0123		
109.000										.0360					
111.000											.0340				
122.000										.0266					
122.500									-.0066				-.0146		
145.000									-.0122		-.0111				

X/L	.9000	.9500
PHI		
24.000	.6756	
24.500		.5865

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ03) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0310	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8490													
16.000		.8359													
17.000													.2083		
19.500	.8557														
20.000					.4203		.2981								
22.000		.5211													
23.500														.1917	
26.000		.4222						.2807		.1918					
26.500					.4099										
32.000					.4011								.2097		
33.500		.3760													
35.500							.2809								
37.000					.1805										
39.500							.2585								
41.000								.1676							
42.500			.2522		.2036										
43.500							.1302								
45.000												.2201			
47.500							.0973		.1431						
51.000							.1082								
52.000													.0341		
53.000				.0717					.0677						
53.500															
55.500								.0636							
56.500															.0000
57.000								.0577							
59.000					.1555										
66.000												.0000			
66.500									.0479						
71.000									.0479						
72.000															.0000
75.000												.0000			
76.500								.0467							
81.000									.0401						
82.500								.0455							
85.000												.0000			
90.000					.0786	.0821	.3369		.0401						.0000
95.000												.0000			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ03)

ALPHA (1) = 19.675 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0483							
96.000															
100.500											.0000		.0000		
109.000										.0000					
111.000										.0000					
122.000									.0238				.0000		
122.500															
145.000									.0146						

PHI
95.500
96.000
100.500
109.000
111.000
122.000
122.500
145.000

X/L .9000 .9500

PHI
24.000 .1424
24.500 .1169

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0293													
16.000		.9853													
17.000															
19.500	.8540												.2826		
20.000					.5660		.4296								
22.000		.5611													
23.500														.2537	
26.000		.4302						.4161		.2624					
26.500					.5357										
32.000					.4992									.2876	
33.500		.3527													
35.500							.3847								
37.000					.1953		.3433								
39.500															
41.000								.2195							
42.500			.2382		.2030										
43.500							.1493								
45.000													.3015		
47.500							.1025	.1777							
51.000							.1030								
52.000														.0351	
53.000				.0665											
53.500								.0722							

PHI
10.000
16.000
17.000
19.500
20.000
22.000
23.500
26.000
26.500
32.000
33.500
35.500
37.000
39.500
41.000
42.500
43.500
45.000
47.500
51.000
52.000
53.000
53.500

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT:

(REZJ03)

ALPHA (2) = 24.999 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0566							
56.500															.0000
57.000								.0540							
59.000					.1516										
66.000													.0000		
66.500								.0529							
71.000								.0513							
72.000															.0000
75.000													.0000		
76.500															
81.000								.0506							
82.500								.0497	.0449						
85.000															
90.000					.0598	.0728	.2463			.0442					.0000
95.000												.0000			
95.500								.0514							
96.000															
100.500										.0000			.0000		
109.000										.0000	.0000				
111.000										.0000					
122.000								.0180					.0000		
122.500											.0000				
145.000								.0111							

X/L .9000 .9500

PHI

24.000

24.500

.1935

.1583

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1959													
16.000		1.1187													
17.000															
19.500	.8381												.4058		
20.000					.7142		.5716								
22.000		.6113													
23.500															
26.000		.4372							.5566		.3577			.3476	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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(REZJ03)

DEPENDENT VARIABLE CP

X/L	.9000	.9500
PHI		
24.000	.2594	
24.500		.2119

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C OR8 FUSELAGE CROSS SECT.

(REZJ03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3357													
16.000		1.2343													
17.000													.6400		
19.500	.7878														
20.000				.8783	.7375										
22.000		.7438													
23.500														.5639	
26.000		.4985						.7186		.5804					
26.500					.8015										
32.000					.7052								.6573		
33.500		.3099													
35.500							.6207								
37.000					.2566										
39.500							.5308								
41.000								.3984							
42.500			.2162		.2125										
43.500							.2023								
45.000													.6697		
47.500							.1255	.2781							
51.000							.1150								
52.000													.0612		
53.000			.0732												
53.500								.0949							
55.500								.0600							
56.500															.0000
57.000								.0605							
59.000				.1492											
66.000													.000		
66.500								.0533							
71.000								.0656							
72.000															.0000
75.000													.0000		
76.500								.0656							
81.000									.0634						
82.500								.0635							
85.000													.0000		
90.000					.0463	.0696	.2093		.0654						.0000
95.000												.0000			
95.500								.0673							
96.000											.0000		.0000		
100.500									.0000						
109.000										.0000					
111.000									.0000						
122.000								.0224					.0000		
122.500										.0000					

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ03)

ALPHA (4) = 34.916 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI															
145.000									.0175						

X/L	.9000	.9500													
-----	-------	-------	--	--	--	--	--	--	--	--	--	--	--	--	--

PHI															
24.000	.4545														
24.500		.3817													

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI															
10.000		1.4602													
16.000		1.3301													
17.000															
19.500	.7360												.8079		
20.000					1.0295		.9105								
22.000		.8016													
23.500														.7542	
26.000		.5047							.8998		.7584				
26.500					.9270										
32.000					.7909								.8059		
33.500		.2870													
35.500							.7443								
37.000						.2803									
39.500							.6245								
41.000								.5526							
42.500			.2028		.2174										
43.500							.2323								
45.000													.8117		
47.500							.1382	.3994							
51.000							.1217								
52.000													.0752		
53.000				.0806											
53.500									.1050						
55.500								.0632							
56.500															.0000
57.000								.0639							
59.000					.1453										
66.000													.0000		
66.500								.0557							
71.000								.0687							

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ03)

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ04) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8369													
16.000		.8201													
17.000													.2755		
19.500	.8398														
20.000					.4058		.2850								
22.000		.6422													
23.500														.2374	
26.000		.5100						.2710		.2441					
26.500					.3957										
32.000					.3892								.2798		
33.500		.0739													
35.500							.2663								
37.000					.2346										
39.500							.2421								
41.000								.2090							
42.500			-.0260		-.0422										
43.500							.1518								
45.000													.3010		
47.500							.0849		.1718						
51.000							-.1367								
52.000													.0094		
53.000			-.1529												
53.500								.0518							
55.500								-.1009							
56.500															.0000
57.000								-.1963							
59.000					-.0210										
66.000												.0000			
66.500									-.1357						
71.000									-.1638						
72.000															.0000
75.000												.0000			
76.500									-.1584						
81.000										-.1406					
82.500									-.1499						
85.000												.0000			
90.000					-.1300	-.1045	-.0061			-.1453					.0000
95.000												.0000			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ04)

ALPHA (1) = 19.748 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
95.500									-.1058							
96.000												.0000		.0000		
100.500											.0000					
109.000												.0000				
111.000											.0000					
122.000										-.1992				.0000		
122.500												.0000				
145.000										-.1976						

X/L .9000 .9500

PHI	
24.000	.1549
24.500	.1159

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000			1.0190													
16.000			.9743													
17.000														.4214		
19.500	.8113															
20.000						.5653		.4296								
22.000			.7189													
23.500															.3910	
26.000			.5293						.4105		.3945					
26.500						.5427										
32.000						.4323								.4242		
33.500			.0000													
35.500								.3855								
37.000						.2826										
39.500								.3354								
41.000									.3189							
42.500				.2114		.1787										
43.500								.2111								
45.000														.4487		
47.500								.1038		.2521						
51.000								.0797								
52.000														.0171		
53.000					.0501											
53.500									.0517							

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
55.500									.0238							
56.500																
57.000									.0315							-.0084
59.000						.1265										
66.000														-.0048		
66.500										.0318						
71.000									.0317							
72.000																
75.000																
76.500										.0300				-.0083		-.0081
81.000											.0259					
82.500										.0300						
85.000																
90.000						.0318	.0496	.0613			.0243			-.0062		-.0074
95.000																
95.500									.0316				.0251			
96.000																
100.500												.0231		.0019		
109.000											.0236					
111.000											.0158	.0163				
122.000																
122.500									-.0039					-.0082		
145.000									-.0094			-.0084				

X/L .9000 .9500

PHI

24.000 .2743

24.500 .2144

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000			1.1654													
16.000			1.0964													
17.000																
19.500	.7892													.5586		
20.000						.7045		.5747								
22.000			.7631													
23.500																
26.000			.5432							.5543		.5307			.5335	

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(REZJ04)

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
26.500					.6564										
32.000					.5712								.5611		
33.500		.3042													
35.500							.4911								
37.000					.3166										
39.500							.4215								
41.000									.4257						
42.500			.2011		.1818										
43.500							.2592								
45.000													.5840		
47.500							.1309		.3287						
51.000							.0840								
52.000													.0303		
53.000				.0523											
53.500									.0677						
55.500								.0266							
56.500															-.0043
57.000								.0364							
59.000					.1265										
66.000													-.0013		
66.500									.0617						
71.000									.0407						-.0038
72.000															
75.000													-.0051		
76.500									.0375						
81.000										.0415					
82.500									.0375						
85.000													-.0041		
90.000					.0254	.0507	.0694			.0344					-.0033
95.000												.0328			
95.500								.0401							
96.000															
100.500										.0320			.0049		
109.000											.0270				
111.000										.0244					
122.000									-.0001				-.0045		
122.500											-.0036				
145.000									-.0049						

X/L	.9000	.9500
PHI		
24.000	.3876	
24.500		.3171

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.2808													
16.000		1.1722													
17.000															
19.500	.7012												.7192		
20.000					.8173		.6816								
22.000		.3185													
23.500															
26.000		.5579												.7070	
26.500											.6870				
32.000					.7414										
33.500					.6212								.7779		
33.500		.2742													
35.500							.5533								
37.000					.3591										
39.500							.4576								
41.000									.5408						
42.500			.1800		.1767										
43.500							.3024								
45.000															
47.500							.1393		.4012				.7306		
51.000							.0791								
52.000													.0434		
53.000				.0367											
53.500															
55.500								.0184	.0803						
56.500															
57.000								.0273							-.0125
59.000					.1162										
66.000													-.0109		
66.500									.0221						
71.000									.0375						
72.000															-.0121
75.000															
76.500									.0356				-.0138		
81.000															
82.500									.0330	.0382					
85.000															
90.000					.0101	.0374	.0681			.0349			-.0143		-.0118
95.000												.0212			
95.500								.0361							
96.000															
100.500											.0311		-.0092		
109.000										.0281					
111.000										.0244					
122.000										.0187					
122.500									-.0094				-.0140		
					</										

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 823

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ04)

ALPHA (4) = 34.998 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0127

X/L	.9000	.9500
-----	-------	-------

PHI
24.000
24.500

.5283

.4451

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
10.000
16.000
17.000
19.500
20.000
22.000
23.500
26.000
26.500
32.000
33.500
35.500
37.000
39.500
41.000
42.500
43.500
45.000
47.500
51.000
52.000
53.000
53.500
55.500
56.500
57.000
59.000
66.000
66.500
71.000

1.4439
1.3000

.6835

.8922

.8738

1.0114

.8959

.5654

.8745

.8485

.8902

.9100
.7451

.8809

.2454

.7105

.4031

.5949

.6620

.1632

.1778

.3525

.8853

.1635

.4852

.0800

.0652

.0453

.0181

.0990

-.0137

.0260

.1046

-.0119

.0524

.0374

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ04)

ALPHA (5) = 39.693 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

72.000

75.000

76.500

81.000

82.500

85.000

90.000

95.000

95.500

96.000

100.500

109.000

111.000

122.000

122.500

145.000

X/L	.9000	.9500
-----	-------	-------

PHI

24.000

24.500

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.2124													
16.000		1.1490													
17.000													.5309		
19.500	.8563														
20.000					.7400		.6009								
22.000		.7698													
23.500														.4338	
26.000		.5485						.5903		.4599					
26.500					.7002										
32.000					.6291								.5375		
33.500		.3415													
35.500							.5236								
37.000					.2846										
39.500							.4586								
41.000								.2931							
42.500			.2351		.2198										
43.500							.1884								
45.000													.5574		
47.500							.1220		.2304						
51.000							.1196								
52.000													.0684		
53.000				.0913											
53.500								.0954							
55.500								.0632							
56.500														.0248	
57.000								.0687							
59.000					.1636										
59.000													.0278		
66.500									.0656						
71.000									.0705						
72.000															.0244
75.000													.3040		
76.500									.0691						
81.000										.0707					
82.500									.0686						
85.000													.0509		
90.000					.0641	.0827	.1008			.0548					.0257
95.000												.0448			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ05)

ALPHA (1) = 19.629 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0709							
96.000											.0633		.0328		
100.500										.0696					
109.000											.0562				
111.000										.0540					
122.000								.0312					.0277		
122.500											.0281				
145.000								.0265							
X/L	.9000	.9500													
PHI															
24.000	.3403														
24.500		.2681													

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8703													
16.000		.8449													
17.000														.1861	
19.500	.8521														
20.000					.4365		.3167								
22.000		.5745													
23.500														.1775	
26.000		.4660							.2989		.1828				
26.500					.4338										
32.000					.4110									.1903	
33.500		.3814													
35.500							.2999								
37.000					.1717										
39.500							.2737								
41.000									.1591						
42.500			.2589		.2149										
43.500							.1328								
45.000														.2008	
47.500							.1032		.1415						
51.000							.1210								
52.000														.0582	
53.000				.0908											
53.500									.0831						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0692							.0249
56.500								.0705							
57.000					.1683										
59.000													.0299		
66.000															
66.500									.0622						
71.000								.0620							
72.000															.0254
75.000													.2065		
76.500									.0615						
81.000									.0596	.0536					
82.500															
85.000														.0456	
90.000					.0927	.0954	.0956			.0548					.0259
95.000												.0477			
95.500								.0632							
96.000											.0483		.0537		
100.500										.0641					
109.000											.0445				
111.000										.0442					
122.000								.0383					.0278		
122.500											.0259				
145.000								.0295							

X/L .9000 .9500

PHI

24.000

24.500

.1409

.1204

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4666													
16.000		1.3292													
17.000													.8390		
19.500	.7527														
20.000					1.0290		.9007								
22.000		.8252													
23.500														.7832	
26.000		.5469							.8800		.7706				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ05)

ALPHA (3) = 39.579 MACH (1) = 7.320

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8571													
16.000		.8383													
17.000													.2851		
19.500	.8393														
20.000					.4172		.2956								
22.000		.6542												.2356	
23.500															
26.000		.5190							.2845		.2372				
26.500					.4018										
32.000					.3868								.2937		
33.500		.3124													
35.500							.2813								
37.000					.2393										
39.500							.2511								
41.000									.1973						
42.500			.2368		.1894										
43.500							.1533								
45.000													.3175		
47.500							.0712		.1674						
51.000							.0920								
52.000													.0262		
53.000				.0802											
53.500									.0459						
55.500								.0396							
56.500															.0009
57.000								.0430							
59.000					.1421										
66.000													.0034		
66.500									.0357						
71.000									.0356						
72.000															.0012
75.000													.1610		
76.500									.0351						
81.000										.0287					
82.500									.0334						
85.000													.0173		
90.000					.0624	.0693	.0681			.0289					.0004
5.000												.0235			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ06)

ALPHA (1) = 19.823 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC			DEPENDENT VARIABLE CP												
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0357							
96.000															
100.500										.0277				.0260	
109.000											.0205				
111.000										.0188					
122.000									.0107					.0019	
122.500												.0003			
145.000									.0025						
X/L	.9000	.9500													
PHI															
24.000	.1602														
24.500		.1046													

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC			DEPENDENT VARIABLE CP												
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1269													
16.000		1.0464													
17.000															
19.500	.7526													.5376	
20.000															
22.000		.7616				.6497	.5178								
23.500															
26.000		.5286							.5039		.5083				
26.500						.5977									
32.000						.5200								.5470	
33.500		.2978													
35.500							.4375								
37.000						.2951									
39.500							.3719								
41.000									.4014						
42.500			.1917			.1735									
43.500							.2320								
45.000														.5583	
47.500							.0810		.3051						
51.000							.0750								
52.000														.0244	
53.000						.0619									
53.500									.0418						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ06)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0169							
56.500															-.0130
57.000								.0261							
59.000					.1179										
66.000													-.0090		
66.500									.0281						
71.000								.0292							
72.000															-.0131
75.000													.1540		
76.500								.0268							
81.000									.0289						
82.500								.0270							
85.000															
90.000					.0175	.0407	.0587			.0237				-.0002	
95.000															-.0129
95.500								.0297				.0246			
96.000															
100.500										.0207					
109.000											.0185				
111.000										.0160					
122.000									-.0101					-.0136	
122.500											-.0119				
145.000								-.0153							

X/L .9000 .9500

PHI
24.000
24.500

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4217													
16.000		1.2838													
17.000															
19.500	.6561													.8697	
20.000					.9835		.8681								
22.000		.8673													
23.500															.8417
26.000		.5540							.8483		.8218				

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(REZJ06)

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
26.500					.8716										
32.000					.7240								.8700		
33.500		.2591													
35.500							.6850								
37.000					.3937										
39.500							.5592								
41.000									.6465						
42.500			.1763		.1938										
43.500							.3495								
45.000													.8546		
47.500							.1235		.4764						
51.000							.0960								
52.000													.0691		
53.000				.0772											
53.500									.0800						
55.500								.0304							
56.500															-.0005
57.000							.0396								
59.000					.1201										
66.000													.0018		
66.500									.0359						
71.000									.0525						
72.000															-.0006
75.000													.0280		
76.500									.0559						
81.000										.0499					
82.500									.0528						
85.000													.0007		
90.000					.0182	.0491	.0816			.0546					.0000
95.000												.0314			
95.500								.0538							
96.000											.0489		.0000		
100.500										.0471					
109.000											.0439				
111.000										.0383					
122.000									.0035				-.0025		
122.500											.0002				
145.000									-.0031						

X/L	.9000	.9500
PHI		
24.000	.6617	
24.500		.5803

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.9054													
16.000		.8753													
17.000													.2846		
19.500	.8815														
20.000					.4580		.3320								
22.000		.6859													
23.500														.2232	
26.000		.5567							.3140		.2346				
26.500					.4462										
32.000					.4174								.3004		
33.500		.3889													
35.500							.3120								
37.000					.2707		.2870								
39.500															
41.000								.2011							
42.500			.2715		.2233										
43.500						.1796									
45.000												.3323			
47.500						.1142		.1781							
51.000						.1282									
52.000												.0754			
53.000				.0907											
53.500								.0901							
55.500								.0752							
56.500															.0320
57.000								.0768							
59.000					.1767										
66.000												.0369			
66.500									.0690						
71.000									.0681						
72.000															.0321
75.000												.1804			
76.500									.0679						
81.000										.0599					
82.500									.0662						
85.000												.0505			
90.000					.0984	.1015	.1018			.0611					.0330
95.000												.0559			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ07)

ALPHA (1) = 19.587 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0691							
96.000											.0559		.0594		
100.500										.0663					
109.000											.0522				
111.000										.0515					
122.000								.0436					.0344		
122.500											.0319				
145.000								.0349							
X/L	.9000	.9500													
PHI															
24.000	.1680														
24.500		.1834													

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.2277													
16.000		1.1515													
17.000													.5946		
19.500	.8582														
20.000					.7485		.6023								
22.000		.8206													
23.500														.5543	
26.000		.5984							.5877		.5675				
26.500					.6958										
32.000					.6099								.5938		
33.500		.3478													
35.500							.5254								
37.000					.3539										
39.500							.4568								
41.000									.4550						
42.500			.2453		.2254										
43.500							.2857								
45.000													.6127		
47.500							.1449		.3598						
51.000							.1269								
52.000													.0926		
53.000				.0909											
53.500									.1076						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0693							
56.500															.0321
57.000								.0744							
59.000					.1695										
66.000													.0348		
66.500									.0712						
71.000								.0770							
72.000															.0323
75.000													.2506		
76.500								.0753							
81.000									.0770						
82.500								.0745							
85.000													.0532		
90.000					.0699	.0895	.1077			.0713					.0317
95.000												.0518			
95.500								.0773							
96.000													.0396		
100.500										.0735					
109.000											.0634				
111.000										.0617					
122.000									.0365				.0341		
122.500											.0340				
145.000								.0309							

X/L .9000 .9500

PHI
24.000
24.500

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4911													
16.000		1.3607													
17.000													.9009		
19.500	.7691														
20.000					1.0493		.9242								
22.000		.8955													
23.500														.8607	
26.000		.6035							.9169		.8623				

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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(REZJ07)

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ08) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8614													
16.000		.8353													
17.000													.1306		
19.500	.8382														
20.000					.4085		.2835								
22.000		.6353													
23.500														.1121	
26.000		.4962							.2701	.1073					
26.500					.3952										
32.000					.3721								.1492		
33.500		.0742													
35.500							.2647								
37.000					.2222										
39.500							.2400								
41.000								.0902							
42.500			.0002		-.0484										
43.500							.0685								
45.000													.2433		
47.500							.0423		.0709						
51.000							-.1473								
52.000													.0182		
53.000				-.1707											
53.500								.0230							
55.500								-.2000							
56.500															
57.000								-.1968							-.0096
59.000						-.0975									
66.000													-.0052		
66.500									-.2045						
71.000									-.2041						
72.000															
75.000													.0671		
76.500									-.2049						
81.000										-.2111					
82.500									-.2068						
85.000													.0035		
90.000						-.1773	-.1705	-.1714			-.2113				-.0100
95.000												.0147			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ08)

ALPHA (1) = 19.783 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								-.2043							
96.000															
100.500										.0181			.0174		
109.000											.0119				
111.000										.0105					
122.000								-.2291					-.0075		
122.500											-.0083				
145.000								-.2372							
X/L	.9000	.9500													
PHI															
24.000	.0703														
24.500		.0592													

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1919													
16.000		1.1113													
17.000															
19.500	.8131												.5383		
20.000					.7225		.5821								
22.000		.7746													
23.500														.5081	
26.000		.5316						.5729		.5041					
26.500					.6611										
32.000					.5754								.5486		
33.500		.0000													
35.500							.4952								
37.000					.3132										
39.500							.4265								
41.000								.3088							
42.500			.2106		.1925										
43.500							.2449								
45.000													.5575		
47.500							.0760		.2799						
51.000							.0946								
52.000													.0657		
53.000				.0678											
53.500								.0531							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0356							
56.500															.0045
57.000								.0450							
59.000					.1365										
66.000													.0073		
66.500									.0447						
71.000								.0485							
72.000															.0037
75.000													.1219		
76.500								.0456							
81.000									.0497						
82.500								.0453							
85.000													.0141		
90.000					.0348	.0587	.0765			.0422					.0040
95.000												.0425			
95.500								.0479							
96.000															
100.500										.0397			.0140		
109.000															
111.000										.0328					
122.000								.0078					.0038		
122.500											.0049				
145.000								.0028							

X/L .9000 .9500

PHI

24.000 .3740

24.500 .3024

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4398													
16.000		1.3222													
17.000													.8621		
19.500	.6823														
20.000					1.0160		.8933								
22.000		.8553													
23.500														.8367	
26.000		.5510							.8637		.8168				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ08)

ALPHA (3) = 40.015 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.9154													
16.000		.8845													
17.000													.3101		
19.500	.8965														
20.000					.4599		.3331								
22.000		.7044													
23.500														.2517	
26.000		.5667							.3153		.2641				
26.500					.4465										
32.000					.4210								.3219		
33.500		.3950													
35.500							.3119								
37.000					.2799										
39.500							.2877								
41.000									.2347						
42.500			.2704		.2222										
43.500							.1896								
45.000													.3458		
47.500							.1198		.1984						
51.000							.1257								
52.000													.0715		
53.000				.0928											
53.500									.0894						
55.500								.0719							
56.500														.0284	
57.000								.0739							
59.000					.1744										
66.000													.0332		
66.500									.0656						
71.000									.0658						
72.000														.0279	
75.000													.2349		
76.500									.0652						
81.000										.0570					
82.500									.0632						
85.000													.0507		
90.000					.0959	.0993	.0998			.0582					.0325
95.000												.0515			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ09)

ALPHA (1) = 19.851 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
95.500									.0664							
96.000												.0520		.0630		
100.500											.0628					
109.000												.0485				
111.000											.0477					
122.000									.0404					.0311		
122.500												.0276				
145.000									.0311							

X/L .9000 .9500

PHI	
24.000	.2329
24.500	.2462

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000			1.0828													
16.000			1.0319													
17.000																
19.500	.8930														.4542	
20.000						.5968		.4554								
22.000			.7942													
23.500															.4081	
26.000			.6032							.4449		.4198				
26.500						.5677										
32.000						.5160									.4648	
33.500			.3750													
35.500								.4103								
37.000						.3249										
39.500								.3663								
41.000																
42.500					.2571	.2218				.3481						
43.500								.2325								
45.000																
47.500														.4863		
51.000								.1277		.2802						
52.000								.1206								
53.000					.0925									.0793		
53.500									.0949							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ09)

ALPHA (2) = 24.974 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0664							
56.500															.0285
57.000								.0715							
59.000					.1709										
66.000													.0353		
66.500															
71.000								.0716							
72.000								.0692							.0282
75.000															
76.500									.0689				.3426		
81.000									.0679	.0622					
82.500															
85.000													.0570		
90.000					.0781	.0921	.1012			.0625					.0281
95.000												.0712			
95.500								.0697							
96.000											.0573		.0391		
100.500										.0659					
109.000											.0528				
111.000										.0521					
122.000								.0349					.0278		
122.500											.0300				
145.000								.0284							
X/L	.9000	.9500													
PHI															
24.000	.3313														
24.500		.3617													

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1890													
16.000		1.1046													
17.000													.0000		
19.500	.8066														
20.000				.7064		.5635									
22.000		.7529													
23.500														.5032	
26.000		.5332						.5413		.5228					

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(REZJ09)

DEPENDENT VARIABLE CP

[illegible]

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(REZJ09)

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3305													
16.000		1.2220													
17.000													.7008		
19.500	.7720														
20.000					.8637		.7264								
22.000		.8039													
23.500														.6601	
26.000		.5475							.7135	.6729					
26.500					.7832										
32.000					.6617								.6969		
33.500		.2865													
35.500							.6027								
37.000					.3432										
39.500							.5083								
41.000									.5332						
42.500		.1937			.1916										
43.500							.2936								
45.000													.7118		
47.500							.1369		.3992						
51.000							.0000								
52.000													.0572		
53.000				.0571											
53.500									.0800						
55.500								.0323							
56.500															-.0032
57.000								.0382							
59.000					.1280										
66.000													-.0007		
66.500									.0312						
71.000									.0443						-.0031
72.000															
75.000													.1752		
76.500									.0442						
81.000										.0411					
82.500									.0420						
85.000													.0148		
90.000					.0245	.0477	.0745			.0434					-.0028
95.000												.0168			
95.500								.0450							
96.000											.0450		.0013		
100.500										.0368					
109.000											.0359				
111.000										.0287					
122.000									-.0005				-.0039		
122.500											-.0017				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ09)

ALPHA (4) = 34.925 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000															
X/L	.9000	.9500													
PHI															
24.000	.0000														
24.500		.5684													

- .0056

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4503													
16.000		1.3219													
17.000															
19.500	.7190												.8603		
20.000					1.0044		.8845								
22.000		.8447													
23.500														.8184	
26.000		.5554						.8827		.8223					
26.500					.8989										
32.000					.7460								.8524		
33.500		.2640													
35.500							.7148								
37.000					.3725										
39.500							.5936								
41.000								.6503							
42.500			.1801		.1925										
43.500							.3311								
45.000													.8590		
47.500							.1374		.4733						
51.000							.0956								
52.000													.0836		
53.000				.0655											
53.500								.0319	.0852						
55.500															
56.500								.0389							
57.000															
59.000					.1217										
66.000													.0003		
66.500									.0331						
71.000									.0473						

- .0021

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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(REZJ09)

ALPHA (5) = 40.056 MACH (1) = 7.320

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH3B (ARC 3.5-198)

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ARC 3.5-198 OH3B 140C ORB FUSELAGE CROSS SECT.

(REZJ10) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8717													
16.000		.8463													
17.000													.1699		
19.500	.8126														
20.000					.4226		.3018								
22.000		.6719													
23.500														.1376	
26.000		.5266							.2895		.1391				
26.500					.4100										
32.000					.3842								.1932		
33.500		.0000													
35.500							.2779								
37.000						.401									
39.500							.2522								
41.000									.1210						
42.500			.2391		.1888										
43.500							.1147								
45.000													.2404		
47.500							.0665		.1006						
51.000							.0915								
52.000													.0415		
53.000				.0690											
53.500									.0445						
55.500								.0388							
56.500															-.0011
57.000								.0431							
59.000					.1417										
66.000													.0027		
66.500									.0356						
71.000									.0356						
72.000															-.0015
75.000													.0772		
76.500									.0351						
81.000									.0330	.0288					
82.500															
85.000													.0125		
90.000					.0603	.0686	.0675			.0287					-.0007
95.000												.0238			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 849

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ10)

ALPHA (1) = 19.811 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
95.500									.0351							
96.000												.0242		.0290		
100.500											.0000					
109.000												.0205				
111.000											.0186					
122.000									.0098						.0018	
122.500												.0007				
145.000									.0020							
X/L		.9000	.9500													
PHI																
24.000		.1000														
24.500			.0788													

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000			1.0439													
16.000			.9873													
17.000														.4232		
19.500	.8020															
20.000						.5730		.4325								
22.000			.7260													
23.500															.3765	
26.000			.5464							.4213		.3940				
26.500						.5432										
32.000						.4867								.4261		
33.500			.0000													
35.500								.3833								
37.000						.2821										
39.500								.3368								
41.000									.3193							
42.500			.2241			.1887										
43.500								.2087								
45.000														.4436		
47.500								.0832		.2528						
51.000								.0891								
52.000														.0585		
53.000					.0651											
53.500									.0562							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 850

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0334							
56.500															.0009
57.000								.0407							
59.000					.1373										
66.000													.0048		
66.500									.0421						
71.000								.0390							
72.000															.0005
75.000													.0687		
76.500									.0385						
81.000										.0341					
82.500									.0385						
85.000													.0087		
90.000					.0427	.0597	.0700			.0332					.0017
95.000												.0339			
95.500								.0394							
96.000											.0306		.0125		
100.500										.0324					
109.000											.0252				
111.000										.0238					
122.000									.0050				.0011		
122.500											.0019				
145.000									.0002						

X/L .9000 .9500

PHI		
24.000	.2690	
24.500		.2114

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1819													
16.000		1.1019													
17.000															
19.500	.8060													.5640	
20.000						.7064	.5728								
22.000		.7737													
23.500														.5362	
26.000		.5636							.5598		.5417				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ10)

ALPHA (3) = 29.722 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI															
26.500						.6533									
32.000						.5680								.5765	
33.500			.0000												
35.500								.4884							
37.000						.3267									
39.500								.4178							
41.000										.4369					
42.500				.2077		.0362									
43.500								.2700							
45.000														.5898	
47.500								.1221		.3412					
51.000								.0908							
52.000														.0771	
53.000					.0734										
53.500										.0695					
55.500									.0334						
56.500															.0025
57.000									.0424						
59.000						.1334									
66.000														.0057	
66.500										.0432					
71.000										.0460					
72.000															.0029
75.000														.0394	
76.500										.0434					
81.000											.0461				
82.500										.0432					
85.000														.0061	
90.000						.0333	.0568	.0762			.0400				.0031
95.000													.0434		
95.500									.0457						
96.000												.0382		.0124	
100.500											.0369				
109.000												.0328			
111.000											.0305				
122.000									.0062					.0021	
122.500											.0038				
145.000									.0013						
X/L		.9000	.9500												
PHI															
24.000		.3968													
24.500			.3316												

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3399													
16.000		1.2224													
17.000													.7116		
19.500	.7696														
20.000					.8692		.7343								
22.000		.8162													
23.500														.6811	
26.000		.5656							.7277		.6838				
26.500					.7897										
32.000					.6693								.7230		
33.500		.0000													
35.500							.6032								
37.000					.3666										
39.500							.5148								
41.000									.5457						
42.500			.1951		.1936										
43.500							.3119								
45.000													.7303		
47.500							.1670		.4095						
51.000							.0950								
52.000													.1128		
53.000				.0717											
53.500									.1024						
55.500								.0350							
56.500															.0044
57.000								.0445							
59.000					.1321										
66.000													.0079		
66.500									.0425						
71.000									.0548						
72.000															.0050
75.000													.1985		
76.500									.0515						
81.000										.0562					
82.500									.0492						
85.000													.0196		
90.000					.0287	.0547	.0839			.0511					.0046
95.000												.0388			
95.500								.0531							
96.000											.0469		.0104		
100.500										.0444					
109.000											.0414				
111.000										.0357					
122.000								.0086					.0037		
122.500											.0065				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 853

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ10)

ALPHA (4) = 34.930 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000									.0041						
X/L	.9000	.9500													
PHI															
24.000	.5227														
24.500		.4499													

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4681													
16.000		1.3312													
17.000													.8694		
19.500	.7084														
20.000					1.0276		.9087								
22.000		.8552													
23.500														.8400	
26.000		.5672							.8845		.8304				
26.500					.9195										
32.000					.7616								.8701		
33.500		.2644													
35.500							.7273								
37.000					.4020										
39.500							.6088								
41.000								.6557							
42.500			.1821		.1974										
43.500							.3618								
45.000													.8611		
47.500							.1852		.4853						
51.000							.1008								
52.000													.1399		
53.000				.0753											
53.500									.1121						
55.500								.0363							
56.500														.0059	
57.000								.0460							
59.000					.1254										
66.000													.0084		
66.500									.0414						
71.000									.0580						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ10)

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8609													
16.000		.8355													
17.000													.1366		
19.500	.8110														
20.000					.4226		.2960								
22.000		.2815												.1199	
23.500															
26.000		.2271							.2753		.1236				
26.500					.4069										
32.000					.3794								.1324		
33.500		.3549													
35.500							.2738								
37.000					.1087										
39.500							.2501								
41.000									.1070						
42.500			.2410		.1909										
43.500							.0837						.1471		
45.000															
47.500							.0638		.0941						
51.000							.0978								
52.000													.0344		
53.000				.0639											
53.500									.0439						
55.500								.0460							
56.500															.0034
57.000								.0476							
59.000					.1453										
66.000													.0078		
66.500									.0395						
71.000									.0388						.0027
72.000															
75.000													.1132		
76.500									.0385						
81.000										.0311					
82.500									.0367						
85.000													.0177		
90.000					.0693	.0726	.0722			.0324					.0037
95.000												.0261			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ11)

ALPHA (1) = 19.458 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0398							
96.000															
100.500										.0345			.0268		
109.000											.0235				
111.000										.0226					
122.000									.0155				.0046		
122.500											.0023				
145.000									.0073						

X/L .9000 .9500

PHI

24.000

.0949

24.500

.0744

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1924													
16.000		1.1123													
17.000													.2775		
19.500	.7970														
20.000					.7138		.5646								
22.000		.4209													
23.500														.2371	
26.000		.3062							.5462		.2506				
26.500					.6576										
32.000					.5730								.2849		
33.500		.3160													
35.500							.4849								
37.000					.1493										
39.500							.4197								
41.000								.1977							
42.500			.2157		.1950										
43.500							.1234								
45.000													.3031		
47.500							.0803		.1540						
51.000							.0969								
52.000													.0528		
53.000						.0632									
53.500								.0563							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 1400 ORB FUSELAGE CROSS SECT.

(REZJ11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0402							
56.500															.0036
57.000								.0454							
59.000					.1401										
66.000													.0063		
66.500									.0418						
71.000								.0474							
72.000															.0025
75.000													.1716		
76.500								.0457							
81.000									.0473						
82.500								.0453							
85.000													.0210		
90.000					.0410	.0595	.0775			.0414					.0029
95.000												.0216			
95.500								.0475							
96.000											.0408		.0095		
100.500										.0427					
109.000											.0343				
111.000										.0325					
122.000								.0077					.0054		
122.500											.0046				
145.000								.0024							

X/L .9000 .9500

PHI

24.000 .1887

24.500 .1604

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4472													
16.000		1.3264													
17.000															
19.500	.7177												.7677		
20.000					1.0146		.8917								
22.000		.7724													
23.500															
26.000		.4998							.8811	.5891				.6991	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ11)

ALPHA (3) = 39.968 MACH (1) = 7.320

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8680													
16.000		.8475													
17.000													.1391		
19.500	.8428														
20.000					.4201		.2932								
22.000		.2862													
23.500														.1275	
26.000		.2205							.2744		.1270				
26.500					.4058										
32.000					.3795								.1424		
33.500	.3549														
35.500							.2730								
37.000					.1099										
39.500							.2481								
41.000									.1121						
42.500			.2354		.1861										
43.500							.0805								
45.000													.1475		
47.500							.0600		.0903						
51.000							.0902								
52.000													.0385		
53.000				.0693											
53.500									.0437						
55.500								.0372							
56.500								.0396							-.0038
57.000															
59.000					.1382								.0023		
66.000															
66.500									.0310						
71.000									.0309						
72.000															-.0041
75.000													.0336		
76.500									.0301						
81.000									.0285	.0227					
82.500															
85.000													.0032		
90.000					.0620	.0639	.0645			.0233					-.0039
95.000												.0192			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ12)

ALPHA (1) = 19.711 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0315							
96.000											.0189		.0245		
100.500										.0199					
109.000										.0152	.0162				
111.000															
122.000								.0071							
122.500															
145.000															

X/L .9000 .9500

PHI

24.000

.0929

24.500

.0767

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0435													
16.000		.9939													
17.000													.1965		
19.500	.8380														
20.000					.5630		.4191								
22.000		.3427													
23.500															
26.000		.2512						.4057		.1799				.0000	
26.500					.5297										
32.000					.4767								.0000		
33.500		.0000													
35.500							.3718								
37.000					.1238										
39.500							.3292								
41.000								.1464							
42.500			.0000		.0000										
43.500							.0946								
45.000													.0000		
47.500							.0630		.1156						
51.000							.0000							.0000	
52.000															
53.000				.0000											
53.500								.0396							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
55.500								.0000						
56.500														-.0043
57.000								.0000						
59.000					.0000									
66.000													.0034	
66.500								.0000						
71.000								.0000						
72.000														-.0046
75.000													.0488	
76.500								.0000						
81.000									.0000					
82.500								.0000						
85.000													.0035	
90.000					.0000	.0000	.0000			.0000				-.0043
95.000												.0403		
95.500								.0000						
96.000											.0247		.0032	
100.500										.0255				
109.000											.0194			
111.000										.0188				
122.000								.0000					-.0048	
122.500											-.0034			
145.000								.0000						

X/L .9000 .9500

PHI
24.000 .0000
24.500 .0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.1893												
16.000		1.1188												
17.000													.2748	
19.500	.8257													
20.000					.7020		.5559							
22.000		.4422												
23.500													.2485	
26.000		.3096							.5411		.2594			

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8995 P = .13040 CPSTAG = 1.8289

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3769													
16.000		1.2741													
17.000													.5120		
19.500	.8137														
20.000					.9046		.7662								
22.000		.7856													
23.500														.3829	
26.000		.5478							.7501		.3709				
26.500					.8212										
32.000					.7026								.6500		
33.500		.3142													
35.500							.6408								
37.000					.2072										
39.500							.5480								
41.000								.2851							
42.500			.2213		.2188										
43.500							.1846								
45.000													.6934		
47.500							.1304		.2251						
51.000							.1206								
52.000													.1120		
53.000				.0938											
53.500									.1042						
55.500								.0591							
56.500														.0216	
57.000								.0656							
59.000					.1549										
66.000													.0241		
66.500									.0584						
71.000									.0717						
72.000															.0213
75.000													.1120		
76.500									.0711						
81.000										.0687					
82.500									.0713						
85.000													.0308		
90.000					.0524	.0754	.1020			.0703					.0221
95.000												.0412			
95.500								.0724							
96.000											.0695		.0249		
100.500										.0696					
109.000										.0602					
111.000									.0541						
122.000								.0277					.0204		
122.500											.0231				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 864

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ12)

ALPHA (4) = 34.915 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000									.0224						
X/L	.9000	.9500													
PHI															
24.000	.2964														
24.500		.2465													

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5042													
16.000		1.3761													
17.000													.8537		
19.500	.7641														
20.000						1.0526	.9245								
22.000		.8738													
23.500														.7910	
26.000		.5874							.9147	.5846					
26.500						.9424									
32.000						.7878							.8691		
33.500		.2926													
35.500							.7539								
37.000						.2416									
39.500							.6353								
41.000									.3640						
42.500		.2092				.2220									
43.500							.2188							.8798	
45.000															
47.500							.1505		.2736						
51.000							.1231								
52.000													.1401		
53.000				.1044											
53.500									.1218						
55.500								.0592							
56.500														.0226	
57.000								.0664							
59.000						.1498									
66.000													.0253		
66.500								.0603							
71.000								.0749							

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZJ12)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

72.000

75.000

76.500

81.000

82,500

85.000

90.000

95.000

95.500

96.000

100.500

109.000

111.000

122.000

122.500

145.000

X/L	.9000	.9500
-----	-------	-------

PHI

24.000

24.500

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ13) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.357
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8728													
16.000		.8588													
17.000													.2309		
19.500	.8261														
20.000					.4245		.2901								
22.000		.6669													
23.500													.1350		
26.000		.5161							.2742		.1347				
26.500						.4069									
32.000						.3784							.2651		
33.500		.0000													
35.500							.2684								
37.000					.2329										
39.500							.2442								
41.000								.1182							
42.500			.2266		.1767										
43.500							.1487								
45.000													.3011		
47.500							.0516		.0872						
51.000							.0791								
52.000													.0226		
53.000				.0560											
53.500								.0257							
55.500								.0246							
56.500															-.0132
57.000								.0290							
59.000					.1286										
66.000													-.0095		
66.500									.0215						
71.000									.0213						
72.000															-.0132
75.000													.0407		
76.500									.0212						
81.000										.0146					
82.500									.0195						
85.000													-.0046		
90.000					.0477	.0539	.0531			.0149					-.0125
95.000												.0118			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ13)

ALPHA (1) = 19.787 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0211							
96.000											.0106		.0187		
100.500										.0109					
109.000											.0072				
111.000										.0051					
122.000									-.0041					-.0111	
122.500											-.0140				
145.000									-.0125						

X/L .9000 .9500

PHI		
24.000	.0891	
24.500		.0625

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0206													
16.000		.9819													
17.000													.4059		
19.500	.8077														
20.000					.5658		.4175								
22.000		.7419												.3777	
23.500															
26.000		.5395							.4046		.3787				
26.500					.5214										
32.000					.4677								.4156		
33.500		.0000													
35.500							.3681								
37.000					.2733		.3252								
39.500															
41.000									.3060						
42.500			.2075		.1732										
43.500							.1977								
45.000													.4416		
47.500							.0604		.2362						
51.000							.0745							.0414	
52.000															
53.000					.0565										
53.500									.0338						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ13)

ALPHA (2) = 24.903 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0181							
56.500															-.0125
57.000								.0262							
59.000					.1217										
66.000													-.0098		
66.500									.0280						
71.000								.0245							
72.000															-.0129
75.000													.0694		
76.500								.0239							
81.000									.0194						
82.500								.0238							
85.000													-.0040		
90.000					.0279	.0449	.0545			.0182					-.0106
95.000												.0192			
95.500								.0243							
96.000											.0159		.0014		
100.500										.0000					
109.000											.0111				
111.000										.0000					
122.000								-.0102					-.0127		
122.500											-.0126				
145.000								-.0157							

X/L .9000 .9500

PHI

24.000

.2622

24.500

.2005

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000			1.1986												
16.000			1.1219												
17.000													.5448		
19.500	.7821														
20.000					.7291		.5820								
22.000			.7711												
23.500														.5199	
26.000		.5366							.5746		.5271				

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(REZJ13)

DEPENDENT VARIABLE CP

PHI		
24.000	.3749	
24.500		.3036

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3445													
16.000		1.2360													
17.000													.7180		
19.500	.7555														
20.000					.8688		.7301								
22.000		.8468													
23.500														.6893	
26.000		.5775							.7294		.6902				
26.500					.7854										
32.000					.6626								.7213		
33.500		.0000													
35.500							.5994								
37.000					.3546										
39.500							.5077								
41.000									.5413						
42.500			.1803		.1785										
43.500							.2973								
45.000													.7319		
47.500							.0972		.4012						
51.000							.0803								
52.000													.0867		
53.000			.0538												
53.500									.0552						
55.500								.0173							
56.500															-.0115
57.000							.0271								
59.000					.1152										
66.000													-.0090		
66.500									.0229						
71.000									.0364						-.0120
72.000													.0563		
75.000															
76.500									.0336						
81.000										.0383					
82.500									.0314						
85.000															
90.000					.0099	.0375	.0653			.0337				-.0065	-.0111
95.000												.0211			
95.500								.0357							
96.000											.0315		-.0076		
100.500										.0275					
109.000											.0267				
111.000										.0199					
122.000									-.0103				-.0134		
122.500											-.0107				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ13)

ALPHA (4) = 34.912 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0144

X/L	.9000	.9500
-----	-------	-------

PHI
24.000
24.500

.5199
.4350

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
10.000
16.000
17.000
19.500
20.000
22.000
23.500
26.000
26.500
32.000
33.500
35.500
37.000
39.500
41.000
42.500
43.500
45.000
47.500
51.000
52.000
53.000
53.500
55.500
56.500
57.000
59.000
66.000
66.500
71.000

1.4989
1.3622

.7169

1.0505

.9211

.8981

.5940

.9404
.7781

.0000

.7430

.4117

.6204

.1820

.1985

.3658

.1100

.0998

.0757

.0340

.0823

.0438

.1239

.0387

.0555

.8908

.8621

.8873

.8822

.1263

.0033

.0052

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ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ13)

ALPHA (5) = 39.964 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															.0038
75.000															
76.500									.0587				.0301		
81.000									.0561	.0519					
82.500															
85.000														.0042	
90.000					.0211	.0529	.0853			.0573					.0038
95.000												.0381			
95.500								.0569							
96.000											.0543		.0046		
100.500										.0510					
109.000											.0481				
111.000										.0429					
122.000									.0065				.0012		
122.500											.0053				
145.000									.0016						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ14) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDGRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8471													
16.000		.8292													
17.000													.0955		
19.500	.8197														
20.000					.4055		.2813								
22.000		.2148												.0830	
23.500															
26.000		.1580						.2614		.0826					
26.500					.3919										
32.000					.3629								.0928		
33.500		.3331													
35.500							.2583								
37.000					.0699										
39.500							.2348								
41.000								.0695							
42.500			.2171		.1669										
43.500							.0522						.1029		
45.000															
47.500							.0374		.0594						
51.000							.0739								
52.000													.0205		
53.000				.0514											
53.500								.0229							
55.500								.0213							
56.500															-.0156
57.000								.0232							
59.000					.1211										
66.000													.0136		
66.500									.0155						
71.000									.0153						-.0151
72.000															
75.000													.0319		
76.500									.0153						
81.000									.0127	.0065					
82.500															
85.000														-.0106	
90.000					.0457	.0474	.0479			.0072					-.0144
95.000												.0039			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ14)

ALPHA (1) = 19.415 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
95.500								.0153						
96.000											.0039		.0035	
100.500										.0074				
109.000											.0006			
111.000														
122.000									-.0091					
122.500														
145.000														

X/L .9000 .9500

PHI
24.000 .0603
24.500 .0428

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.1749												
16.000		1.1073												
17.000													.1968	
19.500	.8013													
20.000					.6992		.5521							
22.000		.2970												
23.500														
26.000		.1928							.5359		.1823			.1706
26.500					.6443									
32.000					.5533								.1910	
33.500		.2924												
35.500							.4698							
37.000					.0984									
39.500							.4057							
41.000									.1410					
42.500			.1913		.1712									
43.500							.0822							
45.000													.2015	
47.500							.0452		.1072					
51.000							.0723							
52.000													.0286	
53.000				.0485										
53.500								.0274						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ14)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0161							
56.500															-.0174
57.000								.0208							
59.000					.1157										
60.000													-.0156		
66.500								.0170							
71.000								.0228							
72.000															-.0173
75.000													.0550		
76.500								.0215							
81.000								.0206		.0230					
82.500															
85.000															
90.000					.0163	.0356	.0535		.0178					-.0104	-.0171
95.000															
95.500								.0236							
96.000															
100.500										.0161					
109.000										.0117					
111.000										.0094					
122.000									-.0164					-.0171	
122.500															
145.000								-.0212			-.0184				

X/L .9000 .9500

PHI
24.000
24.500

.1294

.0990

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000															
16.000															
17.000															
19.500															
20.000															
22.000															
23.500															
26.000															

1.4412

1.3155

.8025

.7118

.9966

.8753

.4247

.4666

.2410

.8654

.3960

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(REZJ14)

DEPENDENT VARIABLE CP

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ15) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPOBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8661													
16.000		.8484													
17.000													.2479		
19.500	.8242														
20.000					.4193		.2878								
22.000		.6609												.1613	
23.500															
26.000		.5114						.2703		.1591					
26.500					.4060										
32.000					.3775								.2645		
33.500		.2343													
35.500							.2674								
37.000					.2269										
39.500							.2434								
41.000								.1123							
42.500		.2244			.1735										
43.500							.1390						.2940		
45.000															
47.500							.0488		.0847						
51.000							.0781						.0234		
52.000															
53.000				.0563											
53.500								.0248	.0263						
55.500															-.0069
56.500								.0289							
57.000															
59.000				.1270									-.0083		
66.000															
66.500								.0209							
71.000								.0213							-.0067
72.000													.0620		
75.000															
76.500								.0208		.0167					
81.000								.0195							
82.500															
85.000													-.0026		
90.000				.0482	.0547	.0540			.0157						-.0049
95.000												.0110			

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C OPB FUSELAGE CROSS SECT.

(REZJ15)

ALPHA (1) = 19.612 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0211							
96.000															
100.500										.0112			.0111		
109.000											.0074				
111.000										.0060					
122.000									-.0028						
122.500															
145.000									-.0111						
X/L	.9000	.9500													
PHI															
24.000	.0932														
24.500		.0627													

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1717													
16.000		1.0996													
17.000													.5368		
19.500	.7917														
20.000					.6955		.5505								
22.000		.7645													
23.500														.5022	
26.000		.5400							.5428		.5065				
26.500					.6411										
32.000					.5531								.5454		
33.500		.0000													
35.500							.4713								
37.000						.2959									
39.500							.4042								
41.000									.4037						
42.500			.1937		.1737										
43.500							.2308								
45.000													.5656		
47.500							.0628		.3045						
51.000							.0752								
52.000													.0584		
53.000					.0557										
53.500									.0359						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-19. OH3B 140C ORB FUSELAGE CROSS SECT.

(REZJ15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0166							
56.500															-.0099
57.000								.0264							
59.000					.1183										
66.000													-.0070		
66.500								.0295							
71.000								.0285							
72.000															-.0096
75.000													.1028		
76.500								.0267							
81.000									.0275						
82.500								.0265							
85.000														-.0027	
90.000					.0172	.0412	.0583			.0229					-.0095
95.000												.0327			
95.500								.0291							
96.000											.0229		-.0043		
100.500										.0199					
109.000											.0176				
111.000										.0149					
122.000								-.0110					-.0135		
122.500											-.0117				
145.000								-.0159							

X/L	.9000	.9500
-----	-------	-------

PHI		
24.000	.3663	
24.500		.2939

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4728													
16.000		1.3410													
17.000															
19.500	.7067												.8868		
20.000					1.0510		.9130								
22.000		.8702													
23.500														.8710	
26.000		.5768						.9057		.8522					

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZJ15)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

ALPHA (3) = 40.081 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8668													
16.000		.8541													
17.000													.3066		
19.500	.8806														
20.000					.4164		.2867								
22.000		.7589												.2813	
23.500															
26.000		.6083							.2688		.2881				
26.500					.4056										
32.000					.3820								.3170		
33.500		.3583													
35.500							.2712								
37.000					.2959										
39.500							.2505								
41.000									.2379						
42.500			.2365		.1849										
43.500							.2008						.3472		
45.000															
47.500							.1307		.2196						
51.000							.0857						.0313		
52.000															
53.000				.0502											
53.500									.0722						
55.500								.0270							
56.500															-.0147
57.000								.0000							
59.000					.1334										
66.000													.0181		
66.500													.0183		
71.000															-.0167
72.000															
75.000													.0259		
76.500									.0175						
81.000										.0096					
82.500									.0155						
85.000														-.0104	
90.000						.0504	.0547	.0547			.0103				-.0148
95.000												.0055			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ16)

ALPHA (1) = 19.582 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
95.500								.0000						
96.000											.0054		.0159	
100.500										.0051				
109.000											.0018			
111.000										.0002				
122.000								-.0074					-.0139	
122.500											-.0193			
145.000								-.0145						

X/L .9000 .9500

PHI

24.000

24.500

.1885

.1474

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.0421												
16.000		.9994												
17.000													.4627	
19.500	.8758													
20.000					.5583		.4137							
22.000		.8473												
23.500													.4239	
26.000		.6452							.4005		.4393			
26.500					.5299									
32.000					.4773								.4729	
33.500		.3343												
35.500							.3705							
37.000					.3407									
39.500							.3311							
41.000								.3475						
42.500			.2199		.1829									
43.500							.2504							
45.000												.4998		
47.500							.1501		.2986					
51.000							.0794						.0475	
52.000														
53.000				.0491										
53.500								.0887						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ16)

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0211							
56.500															-.0177
57.000								.0259							
59.000					.1285										
66.000													-.0116		
66.500									.0243						
71.000								.0222							
72.000															-.0179
75.000													.0400		
76.500									.0214						
81.000										.0151					
82.500									.0210						
85.000														-.0116	
90.000					.0311	.0458	.0557			.0148					-.0177
95.000												.0269			
95.500								.0221							
96.000											.0107		-.0115		
100.500										.0102					
109.000											.0062				
111.000										.0045					
122.000									-.0122					-.0179	
122.500											-.0181				
145.000									-.0175						

X/L .9000 .9500

PHI
24.000
24.500

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000															
16.000															
17.000															
19.500	.8526													.6149	
20.000															
22.000															
23.500															
26.000															

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ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ16)

ALPHA (3) = 29.720 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290	
PHI																
10.000		1.3560														
16.000		1.2600														
17.000																
19.500	.8135												.7934			
20.000					.8845		.7434									
22.000		.9795														
23.500																
26.000		.6843												.7593		
26.500									.7309		.7715					
32.000					.8079											
32.000					.6811									.8003		
33.500		.2871														
35.500							.6243									
37.000						.4351										
39.500							.5346									
41.000									.6222							
42.500			1909		.1868											
43.500							.3718									
45.000																
47.500							.1969		.4832					.8267		
51.000							.0870									
52.000														.0711		
53.000				.0417												
53.500									.1272							
55.500								.0234								
56.500																
57.000								.0291							-.0157	
59.000					.1216											
66.000																
66.500										.0214						
71.000									.0350							
72.000																
75.000																
76.500									.0347					.0696		
81.000										.0321						
82.500									.0320							
85.000																
90.000					.0150	.0389	.0660			.0334				-.0080		
95.000																
95.500												.0029			-.0153	
96.000								.0355								
100.500											.0350			-.0120		
109.000										.0254						
111.000										.0171						
122.000									-.0116					-.0172		
122.500											-.0152					

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ16)

ALPHA (4) = 34.753 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000															
X/L	.9000	.9500													
PHI															
24.000	.5726														
24.500		.5322													

- .0174

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.6094													
16.000		1.4449													
17.000													1.2764		
19.500	.6133														
20.000					1.2597		1.1685								
22.000		1.0306													
23.500														1.2454	
26.000		.6519						1.1545		1.2251					
26.500					1.1097										
32.000					.8928								1.2689		
33.500		.2022													
35.500							.9176								
37.000					.5144										
39.500							.7580								
41.000									.9658						
42.500			.1463		.1892										
43.500							.4950								
45.000													1.2523		
47.500							.2336		.6985						
51.000							.0899								
52.000													.1614		
53.000				.0715											
53.500									.1570						
55.500								.0206							
56.500															
57.000								.0295							
59.000					.1048										
66.000															
66.500									.0235						
71.000									.0387						

- .0105

- .0115

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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(REZJ16)

ALPHA (5) = 48.717 MACH (1) = 7.320

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															-.0122
75.000													.1671		
76.500									.0499						
81.000										.0375					
82.500									.0532						
85.000													.0073		
90.000					.0018	.0365	.0745			.0485					-.0109
95.000												-.0068			
95.500								.0492							
96.000											.0477		-.0092		
100.500										.0470					
109.000											.0442				
111.000										.0396					
122.000									-.0090				-.0161		
122.500											-.0118				
145.000									-.0194						

X/L	.9000	.9500
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PHI		
24.000	1.0409	
24.500		.7857

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8588													
16.000		.8418													
17.000													.3085		
19.500	.8649														
20.000					.4091		.2832								
22.000		.7510												.2762	
23.500															
26.000		.6034						.2639		.2831					
26.500					.3975										
32.000					.3734								.3149		
33.500		.3519													
35.500							.2651								
37.000					.2899										
39.500							.2442								
41.000								.2322							
42.500			.2320		.1798										
43.500							.1969								
45.000													.3425		
47.500							.1306		.2172						
51.000							.0830								
52.000													.0298		
53.000				.0496											
53.500								.0260	.0726						
55.500															
56.500															-.0154
57.000								.0276							
59.000					.1304										
66.000															
66.500									.0175						
71.000									.0175						
72.000															
75.000															
76.500									.0166				.0412		
81.000										.0091					
82.500									.0152						
85.000															
90.000					.0499	.0533	.0533			.0094					
95.000												.0047			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ17)

ALPHA (1) = 19.440 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0183							
96.000													.0056	.0164	
100.500										.0048					
109.000											.0023				
111.000										.0005					
122.000									-.0080					-.0130	
122.500											-.0184				
145.000									-.0155						
X/L	.9000	.9500													
PHI															
24.000	.1882														
24.500		.2566													

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1931													
16.000		1.1257													
17.000														.6137	
19.500	.8392														
20.000					.7052		.5596								
22.000		.9145													
23.500														.5744	
26.000		.6638							.5413		.5951				
26.500					.6553										
32.000					.5702									.6194	
33.500		.3046													
35.500							.4830								
37.000					.3831										
39.500							.4165								
41.000									.4681						
42.500			.2015		.0000										
43.500							.3065								
45.000														.6517	
47.500							.1678		.3811						
51.000							.0000								
52.000														.0449	
53.000				.0395											
53.500									.1017						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ17)

ALPHA (2) = 29.665 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
55.500								.0000						
56.500														-.0178
57.000								.0000						
59.000					.0000									
66.000												-.0140		
66.500									.0000					
71.000								.0000						
72.000														-.0170
75.000													.0662	
76.500								.0000						
81.000									.0000					
82.500								.0000						
85.000														
90.000					.0000	.0000	.0000							-.0178
95.000												.0035		
95.500								.0000						
96.000														
100.500										.0157	.0204		-.0124	
109.000											.0138			
111.000										.0114				
122.000								.0000					-.0163	
122.500											-.0161			
145.000								.0000						
X/L	.9000	.9500												
PHI														
24.000	.4193													
24.500		.4711												

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.4621												
16.000		1.3396												
17.000													.9654	
19.500	.7467													
20.000					1.0109		.8834							
22.000		1.0083												
23.500														.9264
26.000		.6838							.8763		.9283			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ17)

ALPHA (3) = 39.966 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

[illegible]

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.6815													
16.000		.6920													
17.000													.1722		
19.500	.8527														
20.000					.2866		.1735								
22.000		.6498												.1716	
23.500															
26.000		.5569							.1554	.1633					
26.500					.2887										
32.000					.2828								.1845		
33.500		.3679													
35.500							.1780								
37.000						.2500									
39.500							.1694								
41.000								.1278							
42.500			.2540		.1845										
43.500							.1570								
45.000												.2155			
47.500							.1195		.1478						
51.000							.0959								
52.000												.0566			
53.000				.0760											
53.500									.0696						
55.500								.0444							
56.500															-.0008
57.000								.0414							
59.000					.1459										
66.000												.0047			
66.500									.0280						
71.000									.0273						
72.000															-.0017
75.000												.0055			
76.500								.0262							
81.000									.0203						
82.500								.0249							
85.000												.0159			
90.000					.0892	.0780	.0683		.0202						-.0011
95.000												.0106			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ18)

ALPHA (1) = 14.887 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
95.500									.0339							
96.000												.0151		.0132		
100.500											.0164					
109.000												.0127				
111.000											.0130					
122.000									.0153							
122.500												.0003				
145.000									.0046							

X/L .9000 .9500

PHI	
24.000	.1167
24.500	.0926

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000			.8362													
16.000			.8219													
17.000														.2916		
19.500	.8552															
20.000						.3915		.2684								
22.000			.7343													
23.500															.2679	
26.000			.5971						.2523		.2715					
26.500						.3868										
32.000						.3667								.3036		
33.500			.3546													
35.500								.2543								
37.000						.2904										
39.500								.2395								
41.000									.1457							
42.500				.2416		.1880										
43.500								.2012								
45.000														.3424		
47.500								.1380		.2139						
51.000								.0960								
52.000														.0571		
53.000					.0706											
53.500									.0841							

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0438							
56.500															-.0027
57.000								.0428							
59.000					.1420										
66.000													.0044		
66.500									.0315						
71.000								.0306							
72.000															-.0025
75.000													.0027		
76.500								.0298							
81.000									.0221						
82.500								.0284							
85.000													.0049		
90.000					.0665	.0669	.0661			.0226					-.0008
95.000												.0168			
95.500								.0334							
96.000											.0179		.0171		
100.500										.0162					
109.000											.0143				
111.000									.0122						
122.000								.0096					-.0006		
122.500											-.0002				
145.000								.0008							

X/L .9000 .9500

PHI
24.000 .1882
24.500 .1482

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000			1.0001												
16.000			.9743												
17.000															
19.500	.8513												.4335		
20.000					.5349		.3906								
22.000			.8267												
23.500														.4049	
26.000		.6306							.3771		.4219				

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(REZJ18)

DEPENDENT VARIABLE CP

[illegible]

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(REZJ18)

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1604													
16.000		1.1043													
17.000													.5801		
19.500	.8326														
20.000					.6740		.5274								
22.000		.9016													
23.500														.5450	
26.000		.6583							.5145		.5694				
26.500					.6285										
32.000					.5492								.5970		
33.500		.3079													
35.500							.4600								
37.000					.3840										
39.500							.4029								
41.000									.4261						
42.500		.2136			.1935										
43.500							.3042								
45.000													.6292		
47.500							.1749		.3729						
51.000							.0968								
52.000													.0593		
53.000				.0511											
53.500									.1172						
55.500								.0400							
56.500															- .0042
57.000								.0431							
59.000					.1330										
66.000													- .0003		
66.500									.0338						
71.000									.0377						- .0040
72.000															
75.000													- .0020		
76.500									.0364						
81.000									.0354	.0328					
82.500															
85.000															
90.000					.0373	.0512	.0684			.0317					- .0046
95.000												.0132			
95.500								.0387							
96.000											.0290		.0026		
100.500										.0236					
109.000											.0211				
111.000										.0206					
122.000									.0014					- .0036	
122.500												.0030			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ18)

ALPHA (4) = 29.651 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

- .0052

X/L	.9000	.9500
-----	-------	-------

PHI
24.000
24.500

.3978
.3375

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
10.000 1.3083
16.000 1.2252
17.000
19.500 .7973
20.000
22.000 .9632
23.500
26.000 .6799
26.500
32.000 .7528
33.500 .6435
35.500 .2851
37.000
39.500
41.000
42.500 .1999
43.500 .1963
45.000 .3609
47.500 .1974
51.000 .1018
52.000
53.000 .0545
53.500
55.500
56.500
57.000
59.000 .1312
66.000
66.500
71.000

.8228

.6865

.7528

.6435

.5796

.4253

.4978

.5547

.1963

.3609

.1974

.1018

.0545

.1312

.0416

.1349

.0454

.0370

.0435

.7523

.7102

.7597

.7914

.0746

- .0012

- .0034

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ18)

ALPHA (5) = 34.915 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															-.0038
75.000													-.0036		
76.500									.0440						
81.000										.0384					
82.500									.0422						
85.000													-.0030		
90.000					.0316	.0505	.0743			.0413					-.0020
95.000												.0153			
95.500								.0448							
96.000											.0370		.0023		
100.500										.0275					
109.000											.0286				
111.000										.0233					
122.000									.0023				-.0027		
122.500											-.0011				
145.000									-.0038						
X/L	.9000	.9500													
PHI															
24.000	.5410														
24.500		.4706													

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4359													
16.000		1.3209													
17.000															
19.500	.7471												.9434		
20.000					.9880		.8675								
22.000		1.0137													
23.500														.9036	
26.000		.6903							.8478		.9140				
26.500					.8981										
32.000					.7417								.9544		
33.500		.2655													
35.500							.7090								
37.000					.4818										
39.500							.6002								
41.000									.6930						

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(REZJ18)

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5421													
16.000		1.4118													
17.000													1.1038		
19.500	.6917														
20.000					1.1278		1.0212								
22.000		1.0433													
23.500														.0844	
26.000		.6827							1.0102		1.0712				
26.500					1.0110										
32.000					.8253								1.0716		
33.500		.0504													
35.500							.8222								
37.000					.5116										
39.500							.6921								
41.000									.8114						
42.500			.0352		.0237										
43.500							.4742								
45.000													.2305		
47.500							.2465		.6389						
51.000							.0082								
52.000													.0315		
53.000				.0183											
53.500									.1811						
55.500								.0059							
56.500														.0078	
57.000								.0051							
59.000					.0181										
66.000													.0063		
66.500									.0040						
71.000									.0043						
72.000														.0010	
75.000													.0061		
76.500									.0042						
81.000										.0086					
82.500									.0040						
85.000													.0037		
90.000					.0077	.0096	.0072			.0045				.0023	
95.000												.0160			
95.500								.0055							
96.000											.0465		.0052		
100.500										.0513					
109.000											.0503				
111.000										.0403					
122.000								.0026					.0037		
122.500											.0055				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ18)

ALPHA (7) = 44.248 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

.0012

X/L	.9000	.9500
-----	-------	-------

PHI
24.000
24.500

.0512

.0455

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.7685													
16.000		.7491													
17.000													.2644		
19.500	.7748														
20.000					.3575		.2407								
22.000		.6622													
23.500														.2534	
26.000		.5320							.2234		.2444				
26.500					.3488										
32.000					.3201								.2762		
33.500		.3099													
35.500							.2271								
37.000					.2572										
39.500							.2083								
41.000								.1360							
42.500			.2119		.1602										
43.500							.1731								
45.000													.3065		
47.500							.1149		.1817						
51.000							.0783								
52.000													.0453		
53.000				.0494											
53.500								.0704							
55.500								.0339							
56.500															-.0052
57.000								.0335							
59.000					.1209										
66.000															
66.500								.0238							
71.000								.0240							
72.000															
75.000													.0016		-.0053
76.500								.0232							
81.000									.0167						
82.500								.0218							
85.000															
90.000					.0573	.0551	.0543			.0171					-.0058
95.000												.0134			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ19)

ALPHA (1) = 19.710 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
95.500									.0262							
96.000												.0134		.0064		
100.500											.0133					
109.000											.0098	.0099				
111.000																
122.000										.0057						
122.500																
145.000																

X/L .9000 .9500

PHI	
24.000	.1790
24.500	.2090

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000			.9198													
16.000			.9004													
17.000															.3877	
19.500	.7623															
20.000						.4782		.3572								
22.000			.7398													
23.500															.3646	
26.000			.5643							.3356		.3710				
26.500						.4527										
32.000						.4082									.3977	
33.500			.2958													
35.500								.3176								
37.000						.3001										
39.500								.2821								
41.000										.1588						
42.500				.2001		.1622										
43.500								.2173								
45.000															.4252	
47.500								.1351		.2557						
51.000								.0764							.0551	
52.000																
53.000					.0388											
53.500										.0882						

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0317							
56.500															-.0039
57.000								.0334							
59.000				.1188											
66.000													-.0002		
66.500									.0273						
71.000								.0278							
72.000															-.0049
75.000													-.0031		
76.500									.0269						
81.000									.0265	.0212					
82.500															
85.000														-.0026	
90.000				.0417	.0476	.0552				.0207					-.0035
95.000												.0153			
95.500								.0284							
96.000											.0143		.0015		
100.500										.0131					
109.000											.0117				
111.000										.0096					
122.000								.0007						-.0049	
122.500											-.0029				
145.000								-.0048							
X/L	.9000	.9500													
PHI															
24.000	.2678														
24.500		.3022													

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0775													
16.000		1.0101													
17.000															
19.500	.7472												.5355		
20.300						.6341	.4909								
22.000		.8034													
23.500														.5065	
26.000		.5866							.4857		.5276				

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ19)

ALPHA (3) = 29.743 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
26.500					.5868										
32.000					.4998								.5477		
33.500		.2744													
35.500							.4193								
37.000					.3409										
39.500							.3642								
41.000									.3814						
42.500			.1891		.1680										
43.500							.2725								
45.000													.5840		
47.500							.1590		.3367						
51.000							.0817								
52.000													.0677		
53.000				.0439											
53.500									.1053						
55.500								.0333							
56.500															-.0049
57.000								.0353							
59.000					.1167										
66.000													-.0008		
66.500									.0282						
71.000									.0311						
72.000															-.0039
75.000													-.0054		
76.500									.0310						
81.000										.0276					
82.500									.0308						
85.000													-.0024		
90.000					.0317	.0435	.0588			.0278					-.0035
95.000												.0078			
95.500								.0326							
96.000											.0268		-.0007		
100.500										.0213					
109.000											.0193				
111.000										.0170					
122.000									.0003				-.0021		
122.500											-.0041				
145.000									-.0038						
X/L	.9000	.9500													
PHI															
24.000	.3744														
24.500		.4018													

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.2097													
16.000		1.1426													
17.000													.6850		
19.500	.7218														
20.000					.7675		.6312								
22.000		.8599													
23.500														.6595	
26.000		.6002							.6328		.6891				
26.500					.7046										
32.000					.5902								.6940		
33.500		.2509													
35.500							.5288								
37.000					.3761										
39.500							.4509								
41.000									.5124						
42.500		.1772			.1716										
43.500							.3241								
45.000													.7248		
47.500							.1766		.4256						
51.000							.0844								
52.000													.0888		
53.000				.0425											
53.500									.1203						
55.500								.0325							
56.500															- .0027
57.000								.0356							
59.000					.1144										
66.000													- .0012		
66.500									.0289						
71.000									.0343						- .0035
72.000															
75.000													- .0029		
76.500									.0356						
81.000										.0292					
82.500									.0344						
85.000													- .0040		
90.000					.0258	.0415	.0627			.0340					- .002
95.000												.0095			
95.500								.0367							
96.000											.0299		- .0002		
100.500										.0222					
109.000											.0244				
111.000										.0181					
122.000									.0007				- .0041		
122.500											- .0007				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ19)

ALPHA (4) = 34.884 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP															
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290	
PHI	145.000																
X/L		.9000	.9500														
PHI	24.000	.5043															
	24.500		.5052														

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI	10.000		1.3263													
	16.000		1.2174													
	17.000													.8729		
	19.500	.6579														
	20.000					.9162		.8190								
	22.000		.9055												.8190	
	23.500															
	26.000		.6040						.7966		.8713					
	26.500					.8337										
	32.000					.6851								.8826		
	33.500		.2300													
	35.500							.6407								
	37.000					.4257										
	39.500							.5416								
	41.000								.6400							
	42.500		.1677			.1805										
	43.500							.3833								
	45.000													.8940		
	47.500							.1991		.5010						
	51.000							.0920								
	52.000													.1193		
	53.000				.0569											
	53.500									.1423						
	55.500								.0368							
	56.500															.0017
	57.000								.0397							
	59.000					.1123										
	66.000													.0015		
	66.500									.0306						
	71.000									.0371						

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ19)

ALPHA (5) = 39.975 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI															
72.000															- .0002
75.000														- .0003	
76.500										.0430					
81.000										.0301					
82.500										.0430					
85.000														- .0002	
90.000						.0236	.0418	.0691		.0407					- .0008
95.000													.0081		
95.500									.0442						
96.000												.0330		- .0003	
100.500										.0329					
109.000												.0338			
111.000										.0275					
122.000									.0058					- .0017	
122.500												.0023			
145.000									.0003						
X/L		.9000	.9500												
PHI															
24.000		.6445													
24.500			.6692												

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI															
10.000			1.3940												
16.000			1.2903												
17.000														1.0084	
19.500	.6237														
20.000					1.0280			.9372							
22.000			.9447												
23.500														.9513	
26.000			.6194						.9368		.9845				
26.500						.9187									
32.000						.7356								1.0126	
33.500			.2133												
35.500								.7461							
37.000						.4506									
39.500								.6149							
41.000									.7357						

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(REZJ19)

ALPHA (6) = 44.187 MACH (1) = 10.290

DEPENDENT VARIABLE CP

[illegible]

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.7541													
16.000		.7348													
17.000															
19.500	.7612												.2588		
20.000					.3463		.2335								
22.000		.6580													
23.500															
26.000		.5310							.2106		.2360			.2454	
26.500					.3381										
32.000					.3127								.2681		
33.500		.3018													
35.500							.2116								
37.000					.2518		.1937								
39.500															
41.000									.1361						
42.500			.2036		.1529										
43.500							.1698								
45.000													.3002		
47.500							.1113		.1780						
51.000					.0709										
52.000													.0266		
53.000				.0353											
53.500									.0630						
55.500								.0264							
56.500															
57.000															
59.000					.1149			.0262							
66.000															
66.500															
71.000									.0161						
72.000									.0159						
75.000															
76.500															
81.000									.0148						
82.500										.0087					
85.000									.0139						
90.000					.0495	.0475	.0466			.0085					
95.000															

.0060

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ20)

ALPHA (1) = 19.744 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0180							
96.000											.0053		-.0016		
100.500										.0052					
109.000											.0017				
111.000										.0014					
122.000								-.0012					-.0080		
122.500											-.0082				
145.000								-.0076							

X/L .9000 .9500

PHI	
24.000	.1727
24.500	.1359

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.9319													
16.000		.8853													
17.000													.3848		
19.500	.7749														
20.000					.4706		.3440								
22.000		.7461													
23.500														.3636	
26.000		.5626						.3292		.3740					
26.500					.4457										
32.000					.4011								.3971		
33.500		.2893													
35.500							.3064								
37.000					.2940										
39.500							.2730								
41.000								.2421							
42.500		.1927			.1555										
43.500							.2161								
45.000													.4258		
47.500							.1282		.2525						
51.000							.0687							.0293	
52.000															
53.000				.0286											
53.500								.0820							

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
55.500								.0241						
56.500														-.0071
57.000								.0251						
59.000					.1107									
66.000													-.0044	
66.500									.0192					
71.000								.0196						
72.000														-.0067
75.000													-.0066	
76.500									.0189					
81.000										.0135				
82.500									.0176					
85.000													-.0071	
90.000					.0339	.0403	.0480			.0129				-.0053
95.000												.0080		
95.500								.0209						
96.000											.0058		-.0047	
100.500										.0036				
109.000											.0021			
111.000										-.0000				
122.000									-.0030				-.0043	
122.500											-.0050			
145.000									-.0061					

X/L .9000 .9500

PHI

24.000 .2593

24.500 .2143

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.1600												
16.000		1.0910												
17.000													.5917	
19.500	.8083													
20.000					.6686		.5298							
22.000		.8777												
23.500													.5520	
26.000		.6384							.5143		.5701			

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(REZJ20)

24.500

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.2922													
16.000		1.2090													
17.000													.7548		
19.500	.7744														
20.000					.8221		.6838								
22.000		.9404													
23.500														.0000	
26.000		.6541							.6741		.7394				
26.500					.7443										
32.000					.6265								.7639		
33.500		.2733													
35.500							.5676								
37.000					.4132										
39.500							.4852								
41.000									.5510						
42.500			.1905		.1843										
43.500							.3468								
45.000													.7893		
47.500							.1896		.4496						
51.000							.0929								
52.000													.0786		
53.000				.0436											
53.500									.1319						
55.500								.0384							
56.500														.0003	
57.000								.0414							
59.000					.1236										
66.000													.0021		
66.500									.0335						
71.000									.0395						
72.000															.0001
75.000													-.0005		
76.500									.0401						
81.000										.0341					
82.500									.0393						
85.000													.0003		
90.000					.0298	.0466	.0686			.0387				.0003	
95.000												.0143			
95.500								.0416							
96.000											.0350		.0035		
100.500										.0270					
109.000											.0286				
111.000										.0236					
122.000									.0037				-.0019		
122.500											.0021				

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ20)

ALPHA (4) = 34.881 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000															
X/L	.9000	.9500													
PHI															
24.000	.5430														
24.500		.4751													

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4465													
16.000		1.3250													
17.000															
19.500	.7229													.9483	
20.000					1.0062		.8831								
22.000		.9902													
23.500															
26.000		.6605							.8693		.9176			.8986	
26.500					.9019										
32.000					.7376									.9469	
33.500		.2440													
35.500							.7075								
37.000					.4583										
39.500							.6016								
41.000									.6899						
42.500		.1784			.1912										
43.500							.4089								
45.000														.9675	
47.500							.2160		.5462						
51.000							.0992								
52.000														.0993	
53.000				.0577											
53.500									.1541						
55.500								.0390							
56.500															.0007
57.000								.0427							
59.000					.1181										
66.000														.0042	
66.500									.0326						
71.000									.0398						

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ20)

ALPHA (5) = 39.932 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															.0009
75.000													.0019		
76.500									.0450						
81.000										.0322					
82.500									.0456						
85.000													.0008		
90.000					.0245	.0439	.0724			.0430					.0012
95.000												.0133			
95.500								.0461							
96.000											.0384		.0029		
100.500										.0370					
109.000											.0387				
111.000										.0313					
122.000									.0042						
122.500											.0029				
145.000															

X/L .9000 .9500

PHI
24.000 .7085
24.500 .6341

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5312													
16.000		1.3762													
17.000													1.0819		
19.500	.6734														
20.000					1.1060		1.0003								
22.000		1.0038													
23.500														1.0317	
26.000		.6503													
26.500									1.0002		1.0465				
32.000					.9772										
33.500		.2280			.7930								1.0828		
35.500															
37.000							.7952								
39.500					.4775										
41.000							.6643								

.7719

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ20)

ALPHA (6) = 44.136 MACH (1) = 10.290

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
42.500			.1656		.1915										
43.500							.4423								
45.000													1.0795		
47.500							.2228		.6065						
51.000							.0993								
52.000													.1338		
53.000				.0754											
53.500									.1611						
55.500								.0386							
56.500															.0015
57.000								.0420							
59.000					.1141										
66.000													.0042		
66.500									.0343						
71.000									.0425						
72.000															.0026
75.000													.0027		
76.500									.0500						
81.000										.0358					
82.500									.0514						
85.000													.0016		
90.000					.0205	.0445	.0759			.0471					.0030
95.000												.0133			
95.500								.0510							
96.000															
100.500											.0430		.0010		
109.000										.0428					
111.000										.0375	.0436				
122.000									.0059						
122.500															
145.000									.0029						
X/L	.9000	.9500													
PHI															
24.000	.8321														
24.500		.7587													

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ30) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8720													
16.000		.8527													
17.000													.3229		
19.500	.8621														
20.000					.4272		.3021								
22.000		.7453													
23.500														.2893	
26.000		.6036						.2836		.2977					
26.500					.4118										
32.000					.3831								.3281		
33.500		.3522													
35.500							.2800								
37.000					.2949										
39.500							.2573								
41.000								.1633							
42.500			.2360		.1844										
43.500							.2037								
45.000												.3549			
47.500							.1372		.2256						
51.000							.0903								
52.000												.0361			
53.000				.0578											
53.500								.0824							
55.500								.0373							
56.500															
57.000								.0392							-.0046
59.000					.1380										
66.000												.0005			
66.500								.0304							
71.000								.0299							
72.000															-.0043
75.000												.0459			
76.500								.0294							
81.000									.0215						
82.500								.0280							
85.000												.0043			
90.000					.0615	.0636	.0640		.0225						-.0035
95.000												.0197			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ30)

ALPHA (1) = 19.132 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0307							
96.000											.0189		.0205		
100.500										.0204					
109.000											.0167				
111.000										.0151					
122.000									.0055					-.0025	
122.500															
145.000									-.0032			-.0053			
X/L	.9000	.9500													
PHI															
24.000	.2051														
24.500		.2246													

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.0000													
16.000		.0000													
17.000													.0000		
19.500	.0000														
20.000					.0000		.0000								
22.000		.0000													
23.500														.0000	
26.000		.0000							.0000		.0000				
26.500					.0000										
32.000					.0000								.0000		
33.500		.0000													
35.500							.0000								
37.000					.0000										
39.500							.0000								
41.000									.0000						
42.500			.0000		.0000										
43.500							.0000								
45.000													.0000		
47.500							.0000		.0000						
51.000							.0000								
52.000													.0000		
53.000				.0000											
53.500								.0000							

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ30)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0000							.0000
56.500								.0000							
57.000															
59.000					.0000										
66.000													.0000		
66.500									.0000						
71.000									.0000						
72.000															.0000
75.000													.0000		
76.500									.0000						
81.000										.0000					
82.500									.0000						
85.000													.0000		
90.000					.0000	.0000	.0000			.0000					.0000
95.000												.0000			
95.500								.0000							
96.000											.0000		.0000		
100.500										.0000					
109.000											.0000				
111.000										.0000					
122.000									.0000				.0000		
122.500											.0000				
145.000								.0000							
X/L	.9000	.9500													
PHI															
24.000	.0000														
24.500		.0000													

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4369 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0233													
16.000		.9690													
17.000													.4565		
19.500	.8100														
20.000					.5488		.4077								
22.000		.8109													
23.500														.4187	
26.000		.6280						.3930		.4363					

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4716													
16.000		1.3455													
17.000													.9837		
19.500	.7245														
20.000					1.0301		.9088								
22.000		1.0055													
23.500													.9520		
26.000		.6697							.8996		.9536				
26.500					.9229										
32.000					.7553								.9836		
33.500		.2560													
35.500							.7336								
37.000					.4662										
39.500							.6144								
41.000									.7637						
42.500			.1793		.1936										
43.500							.4197								
45.000													.9977		
47.500							.2119		.5681						
51.000							.0958								
52.000													.0984		
53.000				.0666											
53.500									.1448						
55.500								.0329							
56.500															
57.000								.0384							
59.000					.1199										
66.000													.0002		
66.500									.0303						
71.000									.0431						
72.000															
75.000															
76.500									.0510				.0650		
81.000										.0386					
82.500									.0496						
85.000													.0068		
90.000					.0195	.0464	.0780			.0516					
95.000												.0131			
95.500								.0502							
96.000											.0475		.0011		
100.500										.0474					
109.000											.0455				
111.000										.0380					
122.000									.0009				.0035		
122.500											.0011				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ30)

ALPHA (4) = 39.891 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
145.000																
X/L		.9000	.9500													
PHI																
24.000		.7552														
24.500			.7312													

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12650 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000																
16.000																
17.000																
19.500	.6674														1.1300	
20.000						1.1366		1.0341								
22.000			1.0166													
23.500															1.1009	
26.000			.6592						1.0197		1.0852					
26.500						1.0050										
32.000						.8183									1.1239	
33.500			.2333													
35.500								.8143								
37.000							.4914									
39.500								.6778								
41.000									.8582							
42.500				.1652		.1942										
43.500							.4527									
45.000															1.1243	
47.500							.2231		.6287							
51.000							.0960									
52.000															.1351	
53.000				.0902												
53.500									.1542							
55.500								.0315								
56.500																
57.000								.0387								
59.000						.1149										
66.000																
66.500									.0319						.0010	
71.000									.0445							

- .0011

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ30)

ALPHA (5) = 44.091 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															.0007
75.000													.0846		
76.500									.0539						
81.000									.0423						
82.500									.0559						
85.000													.0099		
90.000					.0162	.0457	.0806			.0529					-.0003
95.000												.0094			
95.500								.0542							
96.000											.0519		.0011		
100.500										.0553					
109.000											.0493				
111.000										.0438					
122.000									.0027						
122.500											.0007		-.0046		
145.000									-.0066						
X/L	.9000	.9500													
PHI															
24.000	.8997														
24.500		.8301													

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5874													
16.000		1.4077													
17.000															
19.500	.5702												1.2719		
20.000															
22.000		.9927			1.2394		1.1700								
23.500															
26.000		.6361													
26.500									1.1534		1.2221			1.2394	
32.000					1.0883										
33.500					.8583									1.2631	
35.500		.1893													
37.000							.8991								
39.500					.4920		.7376								
41.000									.9454						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ30)

ALPHA (6) = 48.692 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
42.500			.1377		.1790										
43.500							.4803								
45.000													1.2408		
47.500							.2217		.6803						
51.000							.0826								
52.000													.2186		
53.000				.0710											
53.500									.1476						
55.500								.0195							
56.500															
57.000								.0259							
59.000					.0981										
66.000															
66.500															
71.000									.0194						
72.000									.0328						
75.000															
76.500									.0425						
81.000										.0317					
82.500									.0467						
85.000															
90.000															
95.000					.0027	.0333	.0684			.0424					
95.500															
96.000								.0447							
100.500															
109.000										.0483					
111.000										.0379					
122.000															
122.500									.0095						
145.000									.0186						
X/L	.9000	.9500													
PHI															
24.000	1.0356														
24.500		.9991													

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ31) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8603													
16.000		.8341													
17.000													.3202		
19.500	.8345														
20.000					.4099		.2816								
22.000		.7303													
23.500														.2915	
26.000		.5834						.2667		.2920					
26.500					.3981										
32.000					.3692								.3256		
33.500		.0000													
35.500							.2631								
37.000					.2765										
39.500							.2372								
41.000								.2498							
42.500			.2201		.1707										
43.500							.1899								
45.000													.3564		
47.500							.1182		.2115						
51.000							.0727								
52.000													.0163		
53.000				.0477											
53.500								.0624							
55.500								.0191							
56.500															-.0192
57.000								.0229							
59.000					.1224										
66.000													-.0144		
66.500									.0153						
71.000									.0153						
72.000															-.0193
75.000													.0178		
76.500									.0150						
81.000										.0083					
82.500									.0133						
85.000															
90.000					.0417	.0488	.0477			.0085			-.0118		-.0190
95.000												.0053			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ31)

ALPHA (1) = 19.585 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0154							
96.000															
100.500										.0074	.0054		.0077		
109.000											.0017				
111.000										.0003					
122.000									-.0097					-.0170	
122.500											-.0192				
145.000									-.0174						
X/L	.9000	.9500													
PHI															
24.000	.1963														
24.500		.1539													

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1709													
16.000		1.0968													
17.000															
19.500	.8013												.6331		
20.000					.6902		.5537								
22.000		.8730													
23.500														.6003	
26.000		.6321							.5419		.5891				
26.500					.6354										
32.000					.5484								.6316		
33.500		.2912													
35.500							.4692								
37.000					.3603										
39.500							.4042								
41.000									.4776						
42.500			.1878		.1679										
43.500							.2867								
45.000													.6600		
47.500							.1537		.3698						
51.000							.0697								
52.000													.0610		
53.000					.0457										
53.500									.0906						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

55.500

56.500

57.000

59.000

66.000

66.500

71.000

72.000

75.000

76.500

81.000

82.500

85.000

90.000
95.00095.000
95.50095.500
96.948

96.060
100.500

100.500
100.000109.000
111.000111.000
122.000122.000
123.500122.500
145.000

X/L	.9000	.9500
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PHI

24.000

24.500

.3596

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.6997													
16.000		.6937													
17.000													.1798		
19.500	.8168														
20.000					.2877		.1760								
22.000		.6448													
23.500													.1708		
26.000		.5563						.1565		.1722					
26.500					.2869										
32.000					.2737								.1857		
33.500		.3495													
35.500							.1707								
37.000					.2324										
39.500							.1587								
41.000								.1578							
42.500			.2300		.1625										
43.500							.1444								
45.000													.2101		
47.500							.1023		.1420						
51.000					.0770										
52.000													.0343		
53.000				.0504											
53.500								.0500							
55.500								.0245							
56.500															
57.000								.0225							-.0099
59.000				.1250											
66.000													-.0109		
66.500								.0114							
71.000								.0107							
72.000															
75.000															
76.500								.0102							
81.000									.0038						
82.500								.0088							
85.000													.0025		
90.000					.0704	.0612	.0514			.0040					-.0090
95.000													-.0027		

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ32)

ALPHA (1) = 15.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0166							
96.000											.0012		-.0009		
100.500										-.0002					
109.000											-.0021				
111.000										-.0015					
122.000									-.0016					-.0150	
122.500											-.0185				
145.000									-.0124						
X/L	.9000	.9500													
PHI															
24.000	.1133														
24.500		.0848													

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8533													
16.000		.8328													
17.000															
19.500	.8505												.3126		
20.000					.4036		.2814								
22.000		.7294													
23.500														.2782	
26.000		.5877							.2646		.2830				
26.500					.3909										
32.000					.3651								.3173		
33.500		.3423													
35.500							.2593								
37.000					.2782										
39.500							.2374								
41.000								.2312							
42.500			.2242		.1726										
43.500							.1874								
45.000													.3435		
47.500							.1217		.2085						
51.000							.0778								
52.000													.0227		
53.000				.0526											
53.500									.0674						

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0246							
56.500															-.0134
57.000								.0267							
59.000					.1258										
66.000													-.0112		
66.500									.0180						
71.000									.0177						
72.000															-.0130
75.000													.0296		
76.500									.0173						
81.000										.0094					
82.500									.0154						
85.000														-.0093	
90.000					.0494	.0521	.0518			.0104					-.0124
95.000												.0055			
95.500								.0184							
96.000											.0056		.0175		
100.500										.0059					
109.000											.0029				
111.000										.0007					
122.000									-.0067					-.0142	
122.500											-.0182				
145.000									-.0150						

X/L .9000 .9500

PHI

24.000 .1877

24.500 .1485

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0205													
16.000		.9680													
17.000													.4445		
19.500	.8071														
20.000					.5418		.4078								
22.000		.8116													
23.500														.4095	
26.000		.6290							.3922		.4263				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1736													
16.000		1.0995													
17.000													.6132		
19.500	.8139														
20.000					.6896		.5524								
22.000		.8753													
23.500														.5719	
26.000		.6428							.5351		.5841				
26.500					.6360										
32.000					.5494								.6169		
33.500		.2925													
35.500							.4703								
37.000					.3646		.4064								
39.500															
41.000									.4532						
42.500			.1922		.1708										
43.500							.2906								
45.000													.6446		
47.500							.1588		.3674						
51.000							.0738								
52.000													.0478		
53.000				.0531											
53.500									.0972						
55.500								.0173							
56.500															-.0145
57.000								.0232							
59.000					.1163										
66.000													-.0144		
66.500									.0206						
71.000									.0253						
72.000															-.0151
75.000													.0520		
76.500									.0234						
81.000										.0253					
82.500									.0232						
85.000															
90.000					.0183	.0375	.0549			.0192				-.0095	-.0146
95.000												.0025			
95.500								.0253							
96.000											.0206		-.0122		
100.500										.0144					
109.000											.0135				
111.000										.0109					
122.000									-.0145					-.0160	
122.500											-.0170				

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ32)

ALPHA (4) = 29.707 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000															
X/L	.9000	.9500													
PHI															
24.000	.4172														
24.500		.3513													

-.0194

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3158													
16.000		1.2192													
17.000															
19.500	.7767												.7812		
20.000					.8442		.7101								
22.000		.9369													
23.500															
26.000		.6558							.6961		.7485			.7501	
26.500					.7666										
32.000					.6459								.7854		
33.500		.2696													
35.500							.5884								
37.000					.4092										
39.500							.4979								
41.000								.5885							
42.500			.1784		.1740										
43.500							.3462								
45.000													.8070		
47.500							.1762		.4540						
51.000							.0765								
52.000													.0635		
53.000				.0504											
53.500									.1117						
55.500								.0169							
56.500															
57.000								.0236							
59.000					.1119										
66.000															
66.500															
71.000									.0185						
									.0307						

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TABULATED SOURCE DATA OH3B (ARC 3.5-198)

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ARC 3.5-198 OH3B 140C ORB FUSELAGE CROSS SECT.

(REZJ32)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5276													
16.000		1.3800													
17.000															
19.500	.6470												1.0993		
20.000					1.1134		1.0252								
22.000		.9914													
23.500															
26.000		.6607													
26.500						.9884			1.0137		1.0625				
32.000						.7938							1.0939		
33.500		.2124													
35.500							.8017								
37.000					.4731										
39.500							.6676								
41.000									.8390						
42.500			.1510		.1781										
43.500						.4346									
45.000													1.0889		
47.500							.2092		.6102						
51.000							.0819								
52.000													.1909		
53.000				.0594											
53.500									.1397						
55.500								.0194							
56.500															
57.000								.0256							
59.000					.1007										
66.000															
66.500									.0180						
71.000									.0301						
72.000															
75.000															
76.500									.0402						
81.000										.0277					
82.500									.0427						
85.000															
90.000					.0055	.0327	.0667			.0389					
95.000															
95.500								.0410							
95.000															
100.500										.0369					
109.000															
111.000										.0294					
122.000															
122.500															

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ32)

ALPHA (7) = 44.152 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0178

X/L .9000 .9500

PHI
24.000
24.500

.8654

.7794

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CFSTAG = 1.8724

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000

1.5873

16.000

1.4107

17.000

1.2516

19.500

.5584

20.000

.0000

.0000

22.000

.9619

23.500

1.0944

26.000

.6534

1.1448

1.2072

26.500

.0000

32.000

.0000

1.2416

33.500

.1840

35.500

.8894

37.000

.0000

39.500

.7281

41.000

.0000

42.500

.1353

.1746

43.500

.0000

1.2217

45.000

.0000

.6849

47.500

.0787

51.000

52.000

53.000

.0833

53.500

.2092

55.500

.0000

56.500

.0223

-.0123

57.000

.0952

59.000

66.000

66.500

71.000

.0000

.0000

.0302

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ32)

ALPHA (8) = 50.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															
75.000															
76.500															
81.000															
82.500															
85.000															
90.000															
95.000															
95.500															
96.000															
100.500															
109.000															
111.000															
122.000															
122.500															
145.000															

X/L .9000 .9500

PHI

24.000

24.500

1.0042

.8990

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH3B 140C ORB FUSELAGE CROSS SECT.

(REZJ33) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8705													
16.000		.8466													
17.000															
19.500	.8460												.3163		
20.000					.4169		.2891								
22.000		.7432													
23.500														.2927	
26.000		.5922							.2705		.2935				
26.500					.4062										
32.000					.3751									.3253	
33.500		.3125													
35.500							.2684								
37.000					.2833		.2432								
39.500															
41.000									.2548						
42.500			.2222		.1717		.1953								
43.500															
45.000							.1223		.2163				.3546		
47.500							.0750								
51.000															
52.000													.0239		
53.000				.0488											
53.500									.0663						
55.500								.0200							
56.500															
57.000								.0241							-.0108
59.000					.1228										
66.000									.0165				-.0126		
66.500									.0168						
71.000															
72.000															
75.000															-.0108
76.500									.0171				.0275		
81.000										.0105					
82.500									.0151						
85.000															
90.000					.0439	.0509	.0493						-.0098		
95.000									.0112				.0069		-.0096

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ33)

ALPHA (1) = 19.334 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0900	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0167							
96.000											.0064		.0064		
100.500										.0090					
109.000											.0033				
111.000										.0020					
122.000									-.0076					-.0156	
122.500											-.0168				
145.000									-.0156						
X/L	.9000	.9500													
PHI															
24.000	.2020														
24.500		.1592													

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0359													
16.000		.9768													
17.000															
19.500	.7927												.4734		
20.000					.5583		.4260								
22.000		.8083													
23.500														.4419	
26.000		.6237							.4049		.4488				
26.500					.5236										
32.000					.4589								.4807		
33.500		.2840													
35.500							.3724								
37.000					.3189										
39.500							.3245								
41.000									.3636						
42.500			.1952		.1613										
43.500							.2365								
45.000													.5048		
47.500							.1341		.2890						
51.000							.0651								
52.000													.0722		
53.000				.0374											
53.500									.0764						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0127							
56.500															
57.000								.0190							-.0136
59.000					.1115										
66.000													-.0097		
66.500															
71.000								.0207							
72.000								.0185							
75.000															-.0131
76.500															
81.000								.0177					-.0145		
82.500										.0135					
85.000								.0176							
90.000					.0228	.0369	.0472						-.0159		
95.000										.0119					-.0129
95.500												.0282			
96.000								.0182							
100.500											.0122		-.0110		
109.000										.0145					
111.000										.0061	.0056				
122.000									-.0138				-.0176		
122.500											-.0165				
145.000								-.0192							

X/L .9000 .9500

PHI

24.000 .3062
24.500 .2513

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3348													
16.000		1.2213													
17.000															
19.500	.7419												.7162		
20.000															
22.000		.6764			.8566		.7124								
23.500															
25.000		.6171							.7104		.6846			.6638	

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(REZJ33)

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4431													
16.000		1.3162													
17.000													.9874		
19.500	.6914														
20.000					1.0193		.8954								
22.000		.9753													
23.500														.9809	
26.000		.6471							.8675		.9444				
26.500					.9127										
32.000					.7451								.9880		
33.500		.2398													
35.500							.7112								
37.000					.4510										
39.500							.5910								
41.000									.7373						
42.500			.1607		.1777										
43.500							.3970								
45.000												.9870			
47.500							.1923		.5421						
51.000							.0788						.1557		
52.000															
53.000			.0556												
53.500									.1199						
55.500								.0137							
56.500															
57.000								.0235							
59.000					.1034										
66.000													.0125		
66.500									.0186						
71.000									.0360						
72.000															
75.000													.0427		
76.500									.0383						
81.000										.0324					
82.500									.0353						
85.000															
90.000					.0017	.0327	.0645			.0366			.0104		
95.000												.0163			
95.500								.0363							
96.000											.0357		.0143		
100.500										.0310					
109.000											.0299				
111.000										.0247					
122.000									.0127				.0177		
122.500											.0139				

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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(REZJ33)

ALPHA (4) = 39.927 MACH (1) = 7.320

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

-.0179

X/L	.9000	.9500
-----	-------	-------

PHI		
24.000	.7661	
24.500		.6594

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.7091													
16.000		.7011													
17.000															
19.500	.8194												.1927		
20.000					.2985		.1891								
22.000		.6522													
23.500															
26.000		.5648							.1689		.1825			.1791	
26.500					.2978										
32.000					.2839										
33.500		.3540											.1968		
35.500							.1821								
37.000					.2429										
39.500							.1701								
41.000									.1679						
42.500			.2379		.1710										
43.500							.1547								
45.000													.2198		
47.500							.1132		.1534						
51.000							.0860								
52.000													.0357		
53.000				.0516											
53.500									.0605						
55.500								.0343							
56.500															
57.000															-.0056
59.000								.0000							
66.000					.1343										
66.500									.0211				-.0064		
71.000									.0207						
72.000															
75.000															
76.500									.0216				-.0053		
81.000										.3590					
82.500									.5940						
85.000															
90.000					.0794	.0694	.0603			.2904			.0093		
95.000												.0064			-.0088

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ34)

ALPHA (1) = 15.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0000							
96.000											.0100		.0068		
100.500										.0000					
109.000											.0071				
111.000										.0000					
122.000									.2100						
122.500															
145.000									.2735						

X/L .9000 .9500

PHI

24.000

24.500

.1219

.0950

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8525													
16.000		.8233													
17.000														.3130	
19.500	.8389														
20.000					.4041		.2825								
22.000		.7316													
23.500														.2818	
26.000		.5891							.2627		.2844				
26.500					.3912										
32.000					.3616									.3177	
33.500		.3371													
35.500							.2586								
37.000					.2805										
39.500							.2360								
41.000									.2335						
42.500			.2206		.1705										
43.500							.1906								
45.000														.3447	
47.500							.1235		.2126						
51.000							.0764								
52.000														.0262	
53.000				.0504											
53.500									.0635						

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(REZJ34)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0243													
16.000		.9660													
17.000															
19.500	.8171												.4566		
20.000					.5438		.4093								
22.000		.8162													
23.500															
24.000		.6358												.4184	
									.3974		.4334				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1903													
16.000		1.1162													
17.000															
19.500	.8186												.6135		
20.000					.7074		.5637								
22.000		.8949													
23.500														.5777	
26.000		.6529							.5403		.5950				
26.500					.6531										
32.000					.5609								.6194		
33.500		.2951													
35.500							.4776								
37.000					.3786										
39.500							.4138								
41.000									.4812						
42.500			.1943		.1748										
43.500							.2994								
45.000													.6442		
47.500							.1644		.3732						
51.000							.0750								
52.000													.0451		
53.000				.0444											
53.500									.1036						
55.500								.0175							
56.500															
57.000							.0229								-.0181
59.000					.1178										
66.000													-.0146		
66.500									.0187						
71.000									.0247						
72.000															
75.000													.0081		-.0185
76.500									.0230						
81.000										.0246					
82.500									.0230						
85.000															
90.000					.0181	.0371	.0556			.0189			-.0156		-.0180
95.000															
95.500												.0012			
96.000								.0252							
100.500										.0198			-.0132		
109.000										.0135					
111.000										.0133					
122.000									.0103						
122.500								-.0146					-.0169		
											-.0160				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ34)

ALPHA (4) = 29.492 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0196

X/L	.9000	.9500
-----	-------	-------

PHI
24.000 .4167
24.500 .3523

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000 1.3274
16.000 1.2181

17.000

.7880

19.500

.7686

20.000

.8513

.7166

22.000

.9465

23.500

.7509

26.000

.6845

.7044

.7511

26.500

.7718

32.000

.6488

.7878

33.500

.2724

35.500

.5922

37.000

.4131

39.500

.5060

41.000

.5906

42.500

.1824

.1771

43.500

.3480

45.000

.8079

47.500

.1832

.4585

51.000

.0804

52.000

.1503

53.000

.0469

53.500

.1146

55.500

.0212

56.500

-.0117

57.000

.0279

59.000

.1164

66.000

-.0093

66.500

.0220

71.000

.0340

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ34)

ALPHA (5) = 34.820 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
72.000														
75.000														
76.500									.0335				-.0124	-.0117
81.000									.0316	.0312				
82.500														
85.000														
90.000					.0152	.0381	.0638			.0325			-.0130	
95.000														-.0112
95.500								.0346				.0084		
96.000														
100.500											.0331		-.0091	
109.000										.0247				
111.000											.0249			
122.000										.0189				
122.500								-.0088					-.0126	
145.000								-.0131			-.0106			
X/L	.9000	.9500												
PHI														
24.000	.5754													
24.500		.4950												

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.4381												
16.000		1.3136												
17.000														
19.500	.7148												.9727	
20.000					.9932		.8759							
22.000		.9780												
23.500														
26.000		.6599							.8646		.9289			.9367
26.500					.8905									
32.000					.7309								.9707	
33.500		.2442												
35.500							.7006							
37.000					.4490									
39.500							.5851							
41.000									.7320					

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ34)

ALPHA (6) = 39.895 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
42.500			.1639		.1776										
43.500							.3994								
45.000													.9802		
47.500							.1974								
51.000							.0800								
52.000													.1076		
53.000				.0565											
53.500									.1306						
55.500								.0170							
56.500															-.0163
57.000								.0242							
59.000					.1054										
66.000													-.0133		
66.500									.0178						
71.000									.0302						
72.000															-.0168
75.000													.0143		
76.500									.0363						
81.000										.0276					
82.500									.0363						
85.000													-.0128		
90.000					.0048	.0320	.0635			.0363					-.0163
95.000												.0046			
95.500								.0349							
96.000															
100.500										.0254	.0322		-.0158		
109.000											.0273				
111.000										.0209					
122.000									-.0129					-.0179	
122.500											-.0124				
145.000									-.0189						

X/L	.9000	.9500
PHI		
24.000	.7358	
24.500		.6441

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ34)

ALPHA (7) = 44.264 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0137

X/L	.9000	.9500
-----	-------	-------

PHI
24.000 .8632
24.500 .7820

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
10.000 1.5827
16.000 1.4034
17.000
19.500 .5724
20.000
22.000 .9632
23.500
26.000 .6611
26.500
32.000 1.0898
33.500 .1898
35.500
37.000
39.500
41.000
42.500 .1426
43.500
45.000
47.500
51.000
52.000
53.000 .0825
53.500
55.500
56.500
57.000
57.000
66.000
66.500
71.000

1.2366

1.1659

1.2486

1.2175

1.1521

1.2017

1.2382

.9008

.5268

.7380

.9377

.5131

1.2214

.2827

.6904

.0879

.2535

.0269

.2281

.0313

-.0023

.1041

.0011

.0264

.0389

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

ALPHA (8) = 50.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

72.000

75.000

76.500

81.000

32.500

85.000

90.000

95.000

95.500

96.000

100.500

109.000

111.000

122.000

122.500

145.000

X/L	.9000	.9500
-----	-------	-------

PHI

24.000

24.500

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8479													
16.000		.8282													
17.000															
19.500	.8451												.3066		
20.000					.3982		.2766								
22.000		.7322													
23.500														.2745	
26.000		.5844							.2595		.2798				
26.500					.3862										
32.000					.3622								.3124		
33.500		.3398													
35.500							.2563								
37.000					.2783										
39.500							.2343								
41.000								.2180							
42.500			.2223		.1702										
43.500							.1855								
45.000													.3372		
47.500							.1202		.2064						
51.000							.0762								
52.000													.0136		
53.000				.0405											
53.500									.0670						
55.500								.0230							
56.500															
57.000															
59.000					.1240			.0250							
66.000															
66.500									.0160						
71.000									.0159						
72.000															
75.000															
76.500									.0151				.0802		
81.000										.0077					
82.500									.0136						
85.000															
90.000					.0478	.0505	.0498			.0082					
95.000												.0047			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ35)

ALPHA (1) = 19.261 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0164							
96.000											.0060		.0154		
100.500										.0040					
109.000											.0017				
111.000										.0015					
122.000									-.0066					-.0135	
122.500															
145.000									-.0154			-.0159			
X/L	.9000	.9500													
PHI															
24.000	.1846														
24.500		.2465													

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0292													
16.000		.9826													
17.000															
19.500	.8472												.4619		
20.000					.5379		.4006								
22.000		.8319													
23.500														.4136	
26.000		.6364							.3859		.4300				
26.500					.5099										
32.000					.4579								.4657		
33.500		.3231													
35.500							.3522								
37.000					.3302										
39.500							.3128								
41.000									.3454						
42.500			.2104		.1723										
43.500							.2421								
45.000													.4945		
47.500							.1438		.2908						
51.000							.0728								
52.000													.0277		
53.000					.0463										
53.500									.0845						

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ35)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0186							
56.500															
57.000								.0232							-.0178
59.000					.1224										
66.000															
66.500													-.0115		
71.000								.0230							
72.000								.0204							
75.000															-.0179
76.500															
81.000								.0199					.1114		
82.500								.0193							
85.000										.0134					
90.000					.0299	.0437	.0525			.0135				-.0019	
95.000															-.0174
95.500								.0207				.0228			
96.000															
100.500											.0113		-.0086		
109.000										.0092					
111.000										.0072					
122.000										.0046					
122.500								-.0134						-.0176	
145.000								-.0190			-.0153				

X/L .9000 .9500

PHI
24.000
24.500

.2895

.2684

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1792													
16.000		1.1073													
17.000															
19.500	.8108												.6052		
20.000															
22.000		.8855				.6933	.5519								
23.500															
26.000		.6420							.5330		.5873			.5665	

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ35)

ALPHA (3) = 29.509 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
26.500					.6401										
32.000					.5495								.6124		
33.500		.2884													
35.500							.4699								
37.000					.3653										
39.500							.4042								
41.000									.4536						
42.500			.1902		.1686										
43.500							.2913								
45.000													.6380		
47.500							.1543		.3636						
51.000							.0703								
52.000													.0243		
53.000				.0376											
53.500									.0928						
55.500								.0140							
56.500															
57.000								.0183							
59.000					.1133										
66.000															
66.500									.0138						
71.000									.0203						
72.000															
75.000															
76.500									.0190						
81.000										.0210					
82.500									.0180						
85.000															
90.000					.0147	.0329	.0503			.0150					
95.000															
95.500															
96.000								.0208							
100.500											.0171				
109.000										.0085					
111.000											.0092				
122.000										.0055					
122.500									.0150						
145.000											.0177				

X/L	.9000	.9500
PHI		
24.000	.4117	
24.500		.4510

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(REZJ35)

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3298													
16.000		1.2285													
17.000													.7869		
19.500	.7714														
20.000					.8614		.7249								
22.000		.9445													
23.500														.7492	
26.000		.6582							.7089		.7607				
26.500					.7791										
32.000					.6515								.7900		
33.500		.2644													
35.500							.5941								
37.000					.4126										
39.500							.5057								
41.000									.5999						
42.500			.1756		.1725										
43.500							.3493								
45.000													.8102		
47.500							.1786		.4616						
51.000							.0750								
52.000													.0396		
53.000				.0416											
53.500									.1127						
55.500								.0142							
56.500															-.0176
57.000								.0199							
59.000					.1092										
66.000													-.0163		
66.500									.0120						
71.000									.0252						-.0185
72.000															
75.000													.1052		
76.500									.0255						
81.000										.0218					
82.500									.0253						
85.000														-.0068	
90.000					.0078	.0295	.0557			.0247					-.0180
95.000												-.0029			
95.500								.0262							
96.000											.0261		-.0164		
100.500										.0158					
109.000											.0163				
111.000										.0096					
122.000									-.0150					-.0184	
122.500											-.0160				

ARC 3.5-198 OH38 1400 ORB FUSELAGE CROSS SECT.

(REZJ35)

ALPHA (4) = 34.843 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI															
145.000															
X/L		.9000	.9500												
PHI															
24.000		.5688													
24.500			.5701												

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI															
10.000			1.4506												
16.000			1.3252												
17.000															
19.500		.7174												.9646	
20.000						.9998		.8819							
22.000			.9854												
23.500															.9329
26.000			.6579												
26.500						.8945				.8672		.9290			
32.000						.7347								.9681	
33.500			.2423												
35.500								.7071							
37.000						.4467									
39.500								.5888							
41.000										.7293					
42.500			.1631			.1761									
43.500								.3989							
45.000														.9751	
47.500								.1901		.5468					
51.000								.0774							
52.000														.0621	
53.000					.0509										
53.500										.1232					
55.500									.0140						
56.500															
57.000									.0205						
59.000						.1033									
66.000															
66.500															
71.000										.0138					
										.0282					

-.0158

-.0146

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ35)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															
75.000													.1606		-.0185
76.500									.0337						
81.000									.0329	.0241					
82.500															
85.000													.0017		
90.000					.0026	.0290	.0607			.0339					-.0157
95.000												-.0001			
95.500								.0323							
96.000											.0295		-.0146		
100.500										.0251					
109.000											.0247				
111.000										.0167					
122.000									-.0136				-.0170		
122.500											-.0127				
145.000									-.0188						

X/L .9000 .9500

PHI

24.000 .7348

24.500 .5787

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5497													
16.000		1.3996													
17.000													1.1107		
19.500	.6609														
20.000					1.1260		1.0233								
22.000		1.0157													
23.500															
26.000		.6524							1.0128		1.0704			1.0845	
26.500					1.0007										
32.000					.8122								1.1108		
33.500		.2240													
35.500							.8061								
37.000					.4777										
39.500							.6684								
41.000									.8450						

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(REZJ35)

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
42.500			.1548		.1818										
43.500							.4421								
45.000													1.1066		
47.500							.2067		.6153						
51.000							.0835								
52.000													0908		
53.000				.0695											
53.500									.1378						
55.500								.0190							
56.500															-.0148
57.000								.0261							
59.000					.1030										
66.000													-.0125		
66.500									.0201						
71.000									.0333						
72.000															-.0147
75.000													.1298		
76.500									.0425						
81.000										.0314					
82.500									.0437						
85.000													.0008		
90.000					.0029	.0340	.0686			.0412					-.0130
95.000															
95.500								.0417					-.0016		
96.000															
100.500											.0378		-.0127		
109.000										.0350					
111.000											.0361				
122.000										.0274					
122.500									-.0103					-.0164	
145.000									-.0184			-.0095			

X/L	.9000	.9500
PHI		
24.000	.8789	
24.500		.7158

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.6950													
16.000		.6894													
17.000													.1749		
19.500	.8133														
20.000					.2930		.1830								
22.000		.6382													
23.500													.1731		
26.000		.5336							.1639	.1692					
26.500					.2892										
32.000					.2779								.1826		
33.500		.3486													
35.500							.1764								
37.000					.2320										
39.500							.1660								
41.000									.1181						
42.500			.2298		.1638										
43.500							.1420								
45.000													.2057		
47.500							.1035		.1387						
51.000							.0786								
52.000													.0295		
53.000				.0444											
53.500									.0525						
55.500								.0265							
56.500															-.0169
57.000								.0246							
59.000					.1263										
66.000													-.0131		
66.500									.0127						
71.000									.0126						
72.000															-.0182
75.000													-.0135		
76.500									.0116						
81.000										.0056					
82.500									.0101						
85.000													.0024		
90.000					.0718	.0623	.0531			.0055					-.0179
95.000												-.0025			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ36)

ALPHA (1) = 14.333 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0187							
96.000											.0020		-.0002		
100.500										.0020					
109.000											-.0014				
111.000										.0000					
122.000								-.0007					-.0146		
122.500											-.0168				
145.000								-.0123							

X/L .9000 .9500

PHI

24.000

24.500

.1537

.1614

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.9939													
16.000		.9400													
17.000													.4390		
19.500	.8053														
20.000					.5198		.3905								
22.000		.7904													
23.500													.4029		
26.000		.5994							.3763		.4105				
28.500					.4887										
32.000					.4364								.4440		
33.500		.3096													
35.500							.3419								
37.000					.3078										
39.500							.3000								
41.000								.3156							
42.500			.2004		.1607										
43.500							.2244							.4695	
45.000															
47.500							.1299		.2717						
51.000							.0657								
52.000													.0513		
53.000				0376											
53.500								.0740							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0145							
56.500															-.0200
57.000								.0196							
59.000					.1154										
66.000													-.0133		
66.500								.0202							
71.000								.0182							
72.000															-.0196
75.000													-.0189		
76.500								.0174							
81.000									.0114						
82.500								.0168							
85.000													-.0177		
90.000					.0275	.0401	.0484		.0112						-.0197
95.000												.0229			
95.500								.0180							
96.000											.0070		-.0143		
100.500										.0046					
109.000											.0030				
111.000										.0006					
122.000									-.0145				-.0186		
122.500											-.0168				
145.000								-.0203							

X/L .9000 .9500

PHI

24.000 .3109
24.500 .3494

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1914													
16.000		1.1121													
17.000													.6136		
19.500	.7964														
20.000					.7043		.5642								
22.000		.8786													
23.500														.5684	
26.000		.6598							.5430		.5856				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4980													
16.000		1.3519													
17.000													1.0769		
19.500	.6404														
20.000					1.1040		1.0068								
22.000		.9729													
23.500														1.0304	
26.000		.6287							.9970		1.0470				
26.500					.9734										
32.000					.7837								1.0724		
33.500		.2128													
35.500							.7916								
37.000						.4639									
39.500							.6560								
41.000									.8282						
42.500			.1490		.1738										
43.500							.4304								
45.000													1.0724		
47.500							.2086		.5998						
51.000							.0801								
52.000													.1767		
53.000				.0585											
53.500									.1365						
55.500								.0180							
56.500															
57.000								.0240							-.0149
59.000					.0998										
66.000													-.0138		
66.500									.0168						
71.000									.0281						
72.000															
75.000													-.0144		-.0159
76.500									.0387						
81.000										.0256					
82.500									.0412						
85.000															
90.000					.0024	.0319	.0650			.0374			-.0148		-.0150
95.000															
95.500												-.0057			
96.000								.0398							
100.500										.0354	.0332		-.0151		
109.000											.0343				
111.000										.0285					
122.000									-.0110				-.0174		
122.500											-.0139				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ36)

ALPHA (4) = 44.247 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0195

X/L	.9000	.9500
-----	-------	-------

PHI
24.000 .8841
24.500 .9505

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
10.000 1.5921
16.000 1.4172
17.000

19.500 .5792
20.000

22.000 1.0035
23.500

26.000 .6422
26.500

32.000 1.0899
33.500 .8655

35.500 .1972
37.000

39.500 .5002
41.000

42.500 .1429
43.500 .1833

45.000 .4843
47.500

51.000 .2253
52.000 .0867

53.000 .0808
53.500

55.500 .0229
56.500

57.000 .0301
59.000

66.000 .1028
66.500

71.000 .0241
.0378

1.2698

1.2456

1.2695

1.2167

.2448

-.0059

-.0051

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ36)

ALPHA (5) = 48.639 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															-.0056
75.000													-.0050		
76.500									.0482						
81.000										.0368					
82.500									.0520						
85.000													-.0057		
90.000					.0071	.0379	.0739			.0475					-.0055
95.000												-.0033			
95.500								.0494							
96.000											.0477		-.0048		
100.500										.0482					
109.000											.0437				
111.000										.0426					
122.000									-.0049				-.0094		
122.500											-.0049				
145.000									-.0139						

X/L	.9000	.9500
PHI		
24.000	1.0387	
24.500		.9956

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1500	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.6976													
16.000		.6851													
17.000															
19.500	.8064												.1768		
20.000					.2904		.1816								
22.000		.6377													
23.500														.1700	
26.000		.5484							.1629		.1714				
26.500					.2871										
32.000					.2771								.1821		
33.500		.2967													
35.500							.1726								
37.000					.2266										
39.500							.1621								
41.000									.1462						
42.500			.2288		.1646										
43.500							.1411								
45.000													.2064		
47.500							.1017		.1417						
51.000							.0769								
52.000													.0273		
53.000				.0416											
53.500									.0476						
55.500								.0229							
56.500															.-0186
57.000								.0221							
59.000					.1246										
66.000													.-0145		
66.500									.0122						
71.000									.0119						
72.000															.-0192
75.000													.-0113		
76.500									.0108						
81.000										.0057					
82.500									.0097						
85.000													.0029		
90.000					.0685	.0613	.0504			.0050					.-0170
95.000												.-0007			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ37)

ALPHA (1) = 14.838 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
95.500								.0167						
96.000											.0021		-.0002	
100.500										.0036				
109.000											-.0011			
111.000										-.0003				
122.000								-.0013					-.0170	
122.500											-.0186			
145.000								-.0132						
X/L	.9000	.9500												
PHI														
24.000	.1521													
24.500		.1539												

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		.8393												
16.000		.8127												
17.000													.3004	
19.500	.8114													
20.000					.3963		.2759							
22.000		.7175												
23.500													.2775	
26.000		.5664							.2587		.2799			
26.500					.3800									
32.000					.3526								.3076	
33.500		.2965												
35.500							.2513							
37.000					.2658									
39.500							.2283							
41.000									.2315					
42.500			.2138		.1617									
43.500							.1805							
45.000													.3329	
47.500							.1147		.2038					
51.000							.0685							
52.000													.0512	
53.000				.0417										
53.500								.0588						

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ37)

ALPHA (2) = 19.629 MACH (1) = 7.320

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8617													
16.000		.8268													
17.000															
19.500	.8049												.3155		
20.000					.4034		.2815								
22.000		.7339													
23.500													.2836		
26.000		.5941							.2669		.2908				
26.500					.3870										
32.000					.3609								.3191		
33.500		.2880													
35.500							.2571								
37.000						.2693									
39.500							.2328								
41.000									.2432						
42.500			.2125		.1634										
43.500							.1825								
45.000													.3447		
47.500							.1147		.2071						
51.000							.0674								
52.000													.0546		
53.000				.0355											
53.500									.0596						
55.500								.0162							
56.500															
57.000								.0205							
59.000					.1166										
66.000															
66.500									.0136						
71.000									.0136						
72.000															
75.000															
76.500									.0133						
81.000										.0066					
82.500									.0118						
85.000															
90.000					.0395	.0447	.0446			.0071					
95.000												.0041			

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ38)

ALPHA (1) = 20.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0134							
96.000											.0034		.0159		
100.500										.0056					
109.000											.0006				
111.000															
122.000															
122.500									-.0105					-.0169	
145.000															
									-.0180						
X/L	.9000	.9500													
PHI															
24.000	.1939														
24.500		.1532													

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0185													
16.000		.9589													
17.000															
19.500	.7952												.4631		
20.000					.5401		.4042								
22.000		.8111													
23.500														.4272	
26.000		.6255							.3891		.4368				
26.500					.5050										
32.000					.4539								.4691		
33.500		.2874													
35.500															
37.000					.3142			.3556							
39.500								.3128							
41.000									.3460						
42.500			.1953		.1624										
43.500							.2327								
45.000													.4937		
47.500							.1319		.2796						
51.000							.0638								
52.000														.1097	
53.000				.0387											
53.500									.0709						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(REZJ38)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0105							
56.500															-.0196
57.000								.0175							
59.000					.1115										
66.000													-.0157		
66.500									.0191						
71.000									.0165						
72.000															-.0194
75.000													-.0197		
76.500									.0162						
81.000										.0114					
82.500									.0161						
85.000													-.0179		
90.000					.0205	.0367	.0462			.0105					-.0190
95.000												.0137			
95.500								.0167							
96.000											.0096		-.0086		
100.500										.0085					
109.000											.0043				
111.000										.0035					
122.000									-.0164				-.0195		
122.500											-.0190				
145.000									-.0216						

X/L	.9000	.9500
PHI		
24.000	.2993	
24.500		.2440

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8364													
16.000		.8157													
17.000													.1008		
19.500	.8055														
20.000					.4016		.2778								
22.000		.2295													
23.500														.0949	
26.000		.1736							.2606		.0948				
26.500					.3892										
32.000					.3593								.1005		
33.500		.3287													
35.500							.2567								
37.000					.0806										
39.500							.2335								
41.000								.0821							
42.500			.2149		.1665										
43.500							.0612						.1111		
45.000															
47.500							.0434		.0692						
51.000							.0735								
52.000													.0196		
53.000				.0512					.0284						
53.500								.0223							
55.500															
56.500															-.0178
57.000								.0243							
59.000					.1204										
66.000													-.0129		
66.500									.0162						
71.000									.0162						
72.000															-.0179
75.000													.0878		
76.500									.0157						
81.000										.0083					
82.500									.0155						
85.000													-.0043		
90.000					.0457	.0481	.0485			.0090					-.0163
95.000												.0052			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ03)

ALPHA (1) = 19.694 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
95.500								.0169							
96.000											.0050		.0072		
100.500										.0067					
109.000											.0015				
111.000										.0007					
122.000									-.0065					-.0158	
122.500															
145.000									-.0159			-.0185			

X/L .9000 .9500

PHI

24.000

24.500

.0681

.0499

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000			1.0070												
16.000			.9644												
17.000															
19.500	.8094													.1528	
20.000					.5392		.4052								
22.000		.2697													
23.500															
26.000		.1930												.1368	
26.500					.5091				.3944		.1425				
32.000					.4519									.1490	
33.500		.3120													
35.500							.3590								
37.000					.0954										
39.500							.3138								
41.000									.1192						
42.500			.2034		.1669										
43.500							.0749								
45.000														.1580	
47.500							.0454		.0934						
51.000							.0698								
52.000														.0255	
53.000				.0521											
53.500								.0287							

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
55.500								.0177						
56.500														
57.000								.0220						-.0182
59.000					.1181									
66.000													-.0124	
66.500									.0204					
71.000								.0204						
72.000														-.0175
75.000													.1358	
76.500								.0207						
81.000									.0145					
82.500								.0193						
85.000														
90.000					.0286	.0415	.0508			.0139				-.0011
95.000												.0200		-.0174
95.500								.0206						
96.000											.0116		-.0104	
100.500										.0117				
109.000											.0050			
111.000										.0048				
122.000									-.0125				-.0185	
122.500											-.0180			
145.000								-.0186						

X/L .9000 .9500

PHI

24.000

24.500

.1001

.0764

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.1549												
16.000		1.0860												
17.000													.2310	
19.500	.7919													
20.000					.6836		.5348							
22.000		.3282												
23.500														.2019
26.000		.2284							.5234		.2123			

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(XEZJ03)

X/L	.9000	.9500
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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3023													
16.000		1.2126													
17.000													.2539		
19.500	.7462														
20.000					.8599		.7232								
22.000		.2765													
23.500														.2250	
26.000		.1730							.7060		.2355				
26.500					.7783										
32.000					.6490								.2579		
33.500		.2599													
35.500							.6011								
37.000					.1106										
39.500							.5090								
41.000									.1798						
42.500			.1753		.1727										
43.500							.0996								
45.000													.2606		
47.500							.0530		.1316						
51.000							.0772								
52.000													.0407		
53.000				.0465											
53.500									.0362						
55.500								.0193							
56.500															-.0168
57.000								.0236							
59.000					.1109										
65.000													-.0143		
66.500									.0162						
71.000									.0282						-.0161
72.000															
75.000													.0298		
76.500									.0303						
81.000										.0224					
82.500									.0278						
85.000															
90.000					.0115	.0336	.0598			.0300				-.0117	-.0166
95.000															
95.500								.0313				-.0021			
96.000											.0291		-.0146		
100.500										.0210					
109.000											.0220				
111.000										.0147					
122.000									-.0131					-.0186	
122.500											-.0150				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ03)

ALPHA (4) = 34.784 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000															
X/L	.9000	.9500													
PHI															
24.000	.1782														
24.500		.1461													

-.0183

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4323													
16.000		1.3060													
17.000															
19.500	.6927												.3883		
20.000					1.0103		.8998								
22.000		.3495													
23.500														.3307	
26.000		.2061							.8805		.3437				
26.500					.9007										
32.000					.7407								.4043		
33.500		.2358													
35.500							.7179								
37.000					.1406										
39.500							.6004								
41.000								.2536							
42.500			.1624		.1766										
43.500							.1343								
45.000													.4358		
47.500							.0726		.1843						
51.000							.0807								
52.000													.0638		
53.000				.0576					.0528						
53.500								.0193							
55.500								.0244							
56.500															-.0158
57.000															
59.000					.1053										
66.000															
66.500									.0178						
71.000									.0285						

PHI

10.000

16.000

17.000

19.500

20.000

22.000

23.500

26.000

26.500

32.000

33.500

35.500

37.000

39.500

41.000

42.500

43.500

45.000

47.500

51.000

52.000

53.000

53.500

55.500

56.500

57.000

59.000

66.000

66.500

71.000

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ03)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															
75.000													.0493		-.0147
76.500									.0370						
81.000										.0239					
82.500									.0359						
85.000														-.0071	
90.000					.0057	.0325	.0635			.0373					-.0148
95.000												-.0019			
95.500								.0363							
96.000											.0334		-.0145		
100.500										.0313					
109.000											.0311				
111.000										.0231					
122.000									-.0124				-.0180		
122.500											-.0122				
145.000									-.0185						

X/L .9000 .9500

PHI	
24.000	.2752
24.500	.2214

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000															
16.000															
17.000														.9337	
19.500	.6455														
20.000					1.1104		1.0052								
22.000		.5406													
23.500														.8586	
26.000		.2576							1.0002		.7628				
26.500					.9838										
32.000					.7963								.9275		
33.500		.2185													
35.500							.7959								
37.000					.1713										
39.500							.6624								
41.000									.3352						

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(XEZJ03)

[illegible]

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ03)

ALPHA (7) = 48.803 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

.0000

X/L	.9000	.9500
-----	-------	-------

PHI
24.000
24.500

.8515

.7633

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8568													
16.000		.8381													
17.000													.3225		
19.500	.8373														
20.000					.4035		.2804								
22.000		.7442													
23.500													.2883		
25.000		.5822						.2668		.2922					
26.500					.3927										
32.000					.3650								.3261		
33.500		.2678													
35.500							.2585								
37.000					.2747										
39.500							.2349								
41.000								.2553							
42.500			.2233		.1721										
43.500							.1891								
45.000													.3505		
47.500							.1196		.2124						
51.000							.0742								
52.000													.0307		
53.000				.0448											
53.500								.0647							
55.500								.0209							
56.500															
57.000								.0246							-.0186
59.000					.1241										
66.000															
66.500									.0171				-.0138		
71.000									.0174						
72.000															
75.000															-.0191
76.500									.0168				.0750		
81.000										.0104					
82.500									.0151						
85.000															
90.000					.0438	.0514	.0502						-.0042		
95.000									.0105						-.0177
												.0060			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ04)

ALPHA (1) = 19.776 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

95.500

96.000

100.500

109.000

111.000

122.000

122.500

145.000

.0175

.0057

.0079

.0106

.0028

-.0074

.0005

-.0158

-.0170

-.0156

X/L .9000 .9500

PHI

24.000

24.500

.1947

.1535

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000

16.000

17.000

19.500

20.000

22.000

23.500

26.000

26.500

32.000

33.500

35.500

37.000

39.500

41.000

42.500

43.500

45.000

47.500

51.000

52.000

53.000

53.500

1.0317

.9866

.8133

.6999

.5024

.2619

.2009

.5596

.4269

.5292

.4694

.2508

.1678

.3761

.3299

.1878

.0485

.0688

.4074

.3566

.2250

.1945

.0255

.3950

.3544

.3923

.4160

.0341

.0485

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ04)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
55.500								.0128						
56.500														-.0185
57.000								.0201						
59.000					.1157									
66.000													-.0140	
66.500									.0221					
71.000									.0186					
72.000														-.0182
75.000													.0220	
76.500									.0181					
81.000										.0136				
82.500									.0181					
85.000													-.0133	
90.000					.0218	.0384	.0491			.0121				-.0182
95.000												.0211		
95.500								.0188						
96.000											.0118		-.0104	
100.500										.0111				
109.000											.0046			
111.000										.0048				
122.000									-.0154				-.0189	
122.500											-.0189			
145.000									-.0214					

X/L .9000 .9500

PHI
24.000 .2456
24.500 .1817

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.1754												
16.000		1.1072												
17.000													.5371	
19.500	.8003													
20.000					.6921		.5591							
22.000		.7695												
23.500														.4989
26.000		.5349							.5423		.5035			

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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(XEZJ04)

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ04)

ALPHA (4) = 34.668 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

- .0182

X/L	.9000	.9500
-----	-------	-------

PHI
24.000
24.500

.4668
.3881

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) FUSELAGE CROSS SEC DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
10.000
16.000
17.000
19.500
20.000
22.000
23.500
25.000
26.500
32.000
33.500
35.500
37.000
39.500
41.000
42.500
43.500
45.000
47.500
51.000
52.000
53.000
53.500
55.500
56.500
57.000
59.000
66.000
66.500
71.000

1.4448
1.3135

.6628

.7748

.4898

.2339

.1581

.0558

1.0284

.9101
.7502

.3467

.1765

.1018

.9005

.7221

.5950

.3147

.0700

.0790

.0174

.0249

.8817

.5936

.4388

.0525

.0171

.0323

.7758

.7758

.8019

.7745

.7847

.7698

.0815

-.013

-.0161

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ04)

ALPHA (5) = 39.840 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															
75.000															
76.500															
81.000									.0388						
82.500									.0359	.0300					
85.000													.0207		
90.000															
95.000					.0047	.0321	.0642			.0380					
95.500															
96.000								.0366				.0049			
100.500															
109.000										.0314					
111.000										.0298					
122.000										.0248					
122.500									-.0116						
145.000									-.0172						
X/L	.9000	.9500													
PHI															
24.000	.6097														
24.500		.5136													

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5227													
16.000		1.3713													
17.000															
19.500	.6212													.9679	
20.000															
22.000		.8327			1.1358		1.0256								
23.500															
26.000		.5141													
26.500					1.0040				1.0110		.9137			.9246	
32.000					.8118										
33.500		.2148												.9466	
35.500															
37.000					.3843		.8080								
39.500							.6626								
41.000									.7146						

ARC 3.5-198 OH33 140C ORB FUSELAGE CROSS SECT.

(XEZJ04)

ALPHA (6) = 44.090 MACH (1) = 7.320

[illegible]

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8485													
16.000		.8293													
17.000													.3133		
19.500	.8344														
20.000					.4053		.2816								
22.000		.7343													
23.500														.2828	
26.000		.5848							.2634		.2837				
26.500					.3889										
32.000					.3623								.3176		
33.500		.3371													
35.500							.2585								
37.000					.2774										
39.500							.2373								
41.000								.1541							
42.500			.2210		.1712										
43.500							.1888						.3434		
45.000															
47.500							.1226		.2108						
51.000							.0774								
52.000													.0179		
53.000				.0510											
53.500									.0689						
55.500								.0246							
56.500															
57.000								.0267							-.0167
59.000					.1243										
66.000															
66.500									.0180						
71.000									.0176						
72.000															
75.000															
76.500									.0169				.0451		
81.000										.0094					
82.500									.0155						
85.000															
90.000						.0491	.0513	.0512							
95.000									.0103						
												.0069			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ05)

ALPHA (1) = 19.496 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.9290
PHI															
95.500								.0182							
96.000											.0057		.0091		
100.500										.0067					
109.000											.0039				
111.000										.0015					
122.000									-.0067					-.0149	
122.500															
145.000									-.0154						

X/L .9000 .9500

PHI

24.000

24.500

.1931

.1600

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.9290
PHI															
10.000		1.1868													
16.000		1.1158													
17.000													.6084		
19.500	.8163														
20.000					.7048		.5583								
22.000		.9047													
23.500														.5781	
26.000		.6500							.5382		.5913				
26.500					.6495										
32.000					.5593								.6178		
33.500		.2950													
35.500							.4786								
37.000					.3757										
39.500							.4117								
41.000								.4575							
42.500			.1939		.1744										
43.500							.2988								
45.000													.6445		
47.500							.1619		.3719						
51.000							.0755								
52.000													.0241		
53.000				.0451											
53.500								.1709							

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(XEZJ05)

ARC 3.5-19B QH38 140C ORB FUSELAGE CROSS SECT.

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.9000	.8290
PHI															
55.500															
56.500								.0186							
57.000															
59.000								.0237							-.0177
66.000					.1174										
66.500													-.0143		
71.000									.0196						
72.000									.0254						
75.000															-.0173
76.500													.0783		
81.000									.0238						
82.500										.0254					
85.000									.0232						
90.000					.0188	.0383	.0561			.0200			-.0069		
95.000															-.0180
95.500												.0028			
96.000								.0260							
100.500											.0220		-.0111		
109.000										.0167					
111.000											.0151				
122.000										.0122					
122.500									-.0141				-.0151		
145.000											-.0154				

X/L	.9000	.9500
-----	-------	-------

PHI

24.000	.4158	
24.500		.3607

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3055													
16.000		1.1992													
17.000															
19.500	.7357												.7812		
20.000					.8481		.7169								
22.000		.9278													
23.500														.7395	
26.000		.6616							.7007		.7541				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ05)

ALPHA (3) = 32.095 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
26.500					.7675										
32.000					.6354								.7819		
33.500		.2572													
35.500							.5878								
37.000					.4083										
39.500							.4983								
41.000								.5988							
42.500			.1770		.1720										
43.500							.3472								
45.000													.8015		
47.500							.1792		.4592						
51.000							.0774								
52.000													.1001		
53.000				.0349											
53.500									.1150						
55.500								.0204							
56.500															.0156
57.000								.0245							
59.000					.1116										
66.000													.0138		
66.500									.0166						
71.000									.0284						
72.000															.0159
75.000													.0160		
76.500									.0304						
81.000										.0222					
82.500									.0284						
85.000													.0169		
90.000					.0141	.0343	.0597			.0300					.0159
95.000												.0026			
95.500								.0313							
96.000											.0276		.0152		
100.500										.0222					
109.000											.0228				
111.000										.0138					
122.000									.0112				.0174		
122.500											.0151				
145.000								.0160							
X/L	.9000	.9500													
PHI															
24.000	.5657														
24.500		.5101													

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4639													
16.000		1.3331													
17.000															
19.500	.7257												.9704		
20.000					1.0148		.8930								
22.000		1.0029													
23.500															
26.000		.6631							.8879		.9470			.9337	
26.500					.9079										
32.000					.7412										
33.500		.2480											.9733		
35.500							.7166								
37.000					.4560										
39.500							.6037								
41.000									.7504						
42.500			.1673		.1807										
43.500							.4040								
45.000													.9982		
47.500							.2003		.5553						
51.000							.0827								
52.000													.0640		
53.000			.0544												
53.500									.1324						
55.500								.0185							
56.500															
57.000								.0259							-.0152
59.000					.1077										
65.000															
66.500									.0189						
71.000									.0335						
72.000															
75.000															
76.500									.0379				.1257		
81.000										.0290					
82.500									.0362						
85.000															
90.000					.0069	.0339	.0657			.0379			.0001		
95.000															-.0143
95.500												.0063			
96.000								.0368							
100.500											.0355		-.0133		
109.000										.0324					
111.000											.0304				
122.000									.0235						
122.500								-.0122					-.0168		
											-.0119				

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ05)

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															
75.000															-.0136
76.500													-.0129		
81.000									.0402						
82.500									.0421	.0270					
85.000															
90.000					.0054	.0327	.0664						-.0115		
95.000										.0385					-.0137
95.500												-.0086			
96.000								.0401							
100.500															
109.000										.0435	.0346		-.0126		
111.000											.0346				
122.000										.0308					
122.500									-.0093					-.0154	
145.000									-.0167		-.0106				

PHI

24.000

24.500

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5681													
16.000		1.3967													
17.000															
19.500	.5718												1.2574		
20.000					1.2236		1.1486								
22.000		.9887													
23.500														1.2252	
26.000		.6343							1.1338		1.2053				
26.500					1.0721										
32.000					.8525										
33.500		.1872											1.2501		
35.500							.8840								
37.000					.4865										
39.500							.7254								
41.000									.9353						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ05)

ALPHA (6) = 50.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
42.500			.1355		.1743										
43.500							.4700								
45.000													1.2309		
47.500							.2150		.6690						
51.000							.0790								
52.000													.2601		
53.000				.0802											
53.500									.1422						
55.500								.0168							
56.500															-.0105
57.000								.0236							
59.000					.0955										
66.000													-.0115		
66.500									.0185						
71.000									.0308						
72.000															-.0115
75.000													-.0118		
76.500									.0414						
81.000										.0305					
82.500									.0449						
85.000													-.0112		
90.000					.0009	.0309	.0668			.0406					-.0106
95.000															
95.500								.0422				-.0093			
96.000															
100.500											.0429		-.0109		
109.000										.0429					
111.000										.0350	.0400				
122.000									-.0103						
122.500													-.0143		
145.000									-.0181		-.0092				

X/L	.9000	.9500
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PHI

1.0270

24.500

.9877

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSIAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8522													
16.000		.8201													
17.000													.3158		
19.500	.8052														
20.000					.4021		.2810								
22.000		.7186													
23.500														.2824	
26.000		.5796							.2655		.2886				
26.500					.3907										
32.000					.3581								.3179		
33.500		.3219													
35.500							.2553								
37.000						.2645									
39.500							.2291								
41.000									.2372						
42.500			.2096		.1604										
43.500							.1802								
45.000													.3430		
47.500							.1102		.2044						
51.000							.0658								
52.000													.0490		
53.000				.0342											
53.500									.0565						
55.500								.0151							
56.500															-.0202
57.000								.0194							
59.000					.1145										
66.000															
66.500									.0127						
71.000									.0127						
72.000															
75.000															
76.500									.0126						
81.000										.0058					
82.500									.0108						
85.000															
90.000						.0386	.0438	.0434							
95.000										.0063					
												.0034			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ06)

ALPHA (1) = 20.000 MACH (1) = 7.320

[illegible]

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) FUSELAGE CROSS SEC				DEPENDENT VARIABLE CP											
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0361													
16.000		.9777													
17.000															
19.500	.7927												.4740		
20.000					.5579		.4265								
22.000		.8087													
23.500															
26.000		.6243							.4071		.4460			.4443	
26.500					.5217										
32.000					.4578										
33.500		.2834											.4800		
35.500							.3707								
37.000					.3183										
39.500							.3246								
41.000									.3623						
42.500			.1957		.1618										
43.500							.2367								
45.000															
47.500													.5068		
51.000							.1340		.2899						
52.000							.0659								
53.000				.0393									.0753		
53.500									.0757						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500								.0129							
56.500															
57.000								.0197							-.0163
59.000					.1119										
66.000													-.0112		
66.500								.0219							
71.000								.0191							
72.000															
75.000															
76.500													-.0164		-.0156
81.000								.0181							
82.500										.0142					
85.000								.0181							
90.000					.0227	.0369	.0471			.0123					-.0157
95.000															
95.500								.0185				.0272			
96.000															
100.500											.0123		-.0104		
109.000										.0145					
111.000											.0066				
122.000										.0061					
122.500								-.0137					-.0170		
145.000								-.0190			-.0164				

X/L .9000 .9500

PHI

24.000 .3114

24.500 .2547

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1544													
16.000		1.0695													
17.000															
19.500	.7633												.6154		
20.000					.6731		.5423								
22.000		.8553													
23.500															
26.000		.6315							.5269		.5767			.5768	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ06)

ALPHA (3) = 30.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PH1															
26.500					.6220										
32.000					.5303								.6156		
33.500		.2826													
35.500							.4553								
37.000					.3472										
39.500							.3915								
41.000									.4561						
42.500			.1812		.1601										
43.500							.2753								
45.000													.6371		
47.500							.1457		.3561						
51.000							.0637								
52.000													.1403		
53.000				.0364											
53.500									.0828						
55.500								.0082							
56.500															-.0198
57.000								.0168							
59.000					.1070										
66.000													-.0168		
66.500									.0182						
71.000									.0201						
72.000															-.0192
75.000													-.0201		
76.500									.0181						
81.000										.0197					
82.500									.0180						
85.000													-.0201		
90.000					.0097	.0318	.0486			.0146					-.0192
95.000												.0155			
95.500								.0204							
96.000											.0147		-.0122		
100.500										.0119					
109.000										.0099					
111.000										.0077					
122.000									-.0164				-.0195		
122.500											-.0187				
145.000									-.0217						
X/L	.9000	.9500													
PH1															
24.000	.4160														
24.500		.3476													

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3347													
16.000		1.2202													
17.000															
19.500	.7394												.8070		
20.000					.8569		.7140								
22.000		.9307													
23.500														.7841	
26.000		.6622							.7115		.7774				
26.500					.7745										
32.000					.6402										
33.500		.2637											.8103		
35.500							.5860								
37.000					.4027										
39.500							.4950								
41.000									.6024						
42.500			.1726		.1686										
43.500							.3395								
45.000															
47.500													.8188		
51.000							.1698		.4522						
52.000							.0721								
53.000													.1746		
53.500			.0449												
55.500								.0126	.1015						
56.500															
57.000															
59.000					.1073			.0212							
66.000															
66.500													.0133		
71.000									.0164						
72.000									.0296						
75.000															
76.500													.0163		
81.000									.0281						
82.500										.0282					
85.000									.0259						
90.000					.0062	.0317	.0580								
95.000										.0270			.0171		
95.500												.0126			
96.000								.0299							
100.500											.0287		.0137		
109.000										.0260					
111.000											.0220				
122.000										.0165					
122.500									.0136				.0170		
											.0151				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ06)

ALPHA (4) = 35.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0177

X/L	.9000	.9500
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PHI
24.000
24.500

.5847

.5031

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.7021													
16.000		.6953													
17.000															
19.500	.8201												.1808		
20.000					.2881		.1774								
22.000		.6425													
23.500														.1734	
26.000		.5560						.1596		.1727					
26.500					.2858										
32.000					.2770								.1890		
33.500		.3524													
35.500							.1722								
37.000					.2300										
39.500							.1599								
41.000									.1579						
42.500			.2298		.1637										
43.500							.1428								
45.000													.2136		
47.500							.1017		.1413						
51.000					.0773										
52.000													.0265		
53.000				.0482											
53.500									.0511						
55.500								.0247							
56.500															
57.000								37.3949							-.0187
59.000					.1256										
66.000															
66.500									.0000				-.0140		
71.000									.0000						
72.000															
75.000															
76.500									.0000				-.0116		-.0192
81.000										.0000					
82.500									.0000						
85.000													.0027		
90.000					.0709	.0627	.0516			.0000					-.0178
95.000													-.0036		

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11)

ALPHA (1) = 15.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
95.500									.0000							
96.000												.0013		-.0020		
100.500											.0006					
109.000												-.0019				
111.000											-.0010					
122.000									.0000					-.0160		
122.500												-.0184				
145.000									.0000							

X/L .9000 .9500

PHI	
24.000	.1141
24.500	.0890

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI																
10.000			.8577													
16.000			.8358													
17.000																
19.500	.8451													.3122		
20.000						.4064		.2840								
22.000			.7353													
23.500															.2815	
26.000			.5941						.2653		.2878					
26.500						.3936										
32.000						.3643								.3183		
33.500			.3406													
35.500								.2617								
37.000						.2811		.2378								
39.500																
41.000									.2248							
42.500				.2238		.1726										
43.500								.1926								
45.000														.3474		
47.500								.1240		.2154						
51.000								.0775								
52.000														.0283		
53.000					.0479											
53.500									.0687							

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500															
56.500								.0248							
57.000															
59.000								.0264							-.0167
66.000					.1258										
66.500															
71.000									.0179						
72.000									.0176						
75.000															
76.500															
81.000									.0172						
82.500										.0091					
85.000									.0152						
90.000					.0493	.0519	.0514								
95.000										.0104					
95.500															
96.000								.0185				.0066			-.0168
100.500											.0070		.0115		
109.000										.0064					
111.000											.0030				
122.000										.0020					
122.500									-.0069						
145.000											-.0182			-.0153	

X/L	.9000	.9500
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PHI		
24.000	.1932	
24.500		.1574

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.0380													
16.000		.9883													
17.000															
19.500	.8348												.4505		
20.000					.5398		.3998								
22.000		.8274													
23.500															
26.000		.6433							.3873		.4253			.4124	

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11)

ALPHA (3) = 25.000 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

[illegible]

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(XEZJ11)

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11)

ALPHA (4) = 29.674 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP															
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290	
PHI	145.000																
X/L		.9000	.9500														
PHI	24.000	.4251															
	24.500		.3712														

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP														
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI	10.000															
	16.000		1.3303													
	17.000		1.2228													
	19.500	.7564												.7933		
	20.000															
	22.000		.9431				.8646	.7305								
	23.500															
	26.000		.6739						.7174	.7659					.7561	
	26.500						.7799									
	32.000						.6503								.7984	
	33.500		.2652													
	35.500							.6027								
	37.000						.4174									
	39.500							.5091								
	41.000								.6174							
	42.500			.1786			.1742									
	43.500							.3526								
	45.000													.8148		
	47.500							.1838		.4653						
	51.000							.0784								
	52.000														.1019	
	53.000				.0367											
	53.500									.1200						
	55.500							.0200								
	56.500															
	57.000							.0250								.0133
	59.000					.1128										
	66.000															
	66.500															
	71.000								.0166							
									.0290							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11)

ALPHA (5) = 34.627 MACH (1) = 7.320

[illegible]

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) FUSELAGE CROSS SEC		DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4590													
16.000		1.3354													
17.000															
19.500	.7234												.9744		
20.000					1.0095		.8881								
22.000		.9929													
23.500															
26.000		.6680							.8768		.9285			.9395	
26.500					.8994										
32.000					.7430									.9732	
33.500		.2481													
35.500							.7106								
37.000					.4570										
39.500							.5955								
41.000									.7361						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11)

ALPHA (6) = 39.946 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

42.500

43.500

45.000

47.500

51.000

52.000

53.000

53.500

55.500

56.500

57.000

59.000

66.000

66.500

71.000
72.00072.000
75.00075.000
76.50076.500
81.00081.000
82.50082.500
95.00085.000
80.000

90.000
95.000

95.000
95.500

95.500
96.000

95.000
100.500

109.000

111.000

122.000

122.500

145.000

X/L	.9000	.9500
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PHI

24.000

24.500

21.300

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11)

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5282													
16.000		1.3706													
17.000													1.1259		
19.500	.6315														
20.000					1.1328		1.0293								
22.000		.9953													
23.500														1.0957	
26.000		.6530							1.0245		1.0878				
26.500					1.0050										
32.000					.8039								1.1233		
33.500		.2135													
35.500							.8099								
37.000					.4781										
39.500							.6693								
41.000									.8546						
42.500			.1514		.1799										
43.500							.4461								
45.000													1.1138		
47.500							.2094		.6177						
51.000							.0832								
52.000													.1726		
53.000				.0640											
53.500									.1420						
55.500								.0201							
56.500														-.0125	
57.000								.0260							
59.000					.1015										
66.000													-.0103		
66.500									.0189						
71.000									.0304						
72.000														-.0101	
75.000													-.0104		
76.500									.0411						
81.000										.0287					
82.500									.0435						
85.000													-.0121		
90.000					.0055	.0336	.0674			.0396				-.0112	
95.000												-.0061			
95.500								.0413							
96.000											.0385		-.0110		
100.500										.0425					
109.000											.0369				
111.000										.0314					
122.000								-.0090					-.0155		
122.500											-.0100				

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1019

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(XEZJ11)

ALPHA (7) = 44.081 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
145.000

-.0174

X/L	.9000	.9500
-----	-------	-------

PHI
24.000 .8853
24.500 .8328

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI
10.000 1.5783
16.000 1.4049
17.000
19.500 .5714
20.000
22.000 .9943
23.500
26.000 .6349
26.500
32.000
33.500 .1916
35.500
37.000
39.500
41.000
42.500 .1380
43.500
45.000
47.500
51.000
52.000
53.000 .0707
53.500
55.500
56.500
57.000
59.000 .0984
66.000
66.500
71.000

1.2385 1.1576

1.1523

1.2252

1.2453

1.2649

.8982

.7350

.9467

.4808

.2189

.0822

.1466

.0190

.0259

.0198

.0335

1.2444

.2168

-.0099

-.0086

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

ALPHA (8) = 48.676 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
72.000															
75.000															-.0089
76.500													-.0097		
81.000									.0429						
82.500										.0323					
85.000									.0473						
90.000					.0024	.0332	.0691			.0429			-.0103		
95.000															-.0088
95.500												-.0091			
96.000								.0443							
100.500											.0422		-.0099		
109.000										.0426					
111.000											.0407				
122.000										.0381					
122.500									-.0095				-.0125		
145.000											-.0102				
									-.0190						

X/L	.9000	.9500
-----	-------	-------

PHI

24.000	1.0354	
24.500		1.0315

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1021

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(YEZJ03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		.8443													
16.000		.8176													
17.000															
19.500	.8100												.2948		
20.000					.3982		.2797								
22.000		.7196													
23.500														.2721	
26.000		.5866							.2604		.2754				
26.500					.3833										
32.000					.3577								.3038		
33.500	.3281														
35.500							.2574								
37.000					.2679		.2338								
39.500															
41.000									.2185						
42.500			.2138		.1618		.1818								
43.500															
45.000							.1125						.3267		
47.500							.0709		.1988						
51.000															
52.000													.0380		
53.000				.0395											
53.500									.0619						
55.500								.0207							
56.500															
57.000								.0227							-.0193
59.000					.1182										
66.000															
66.500									.0152				-.0151		
71.000									.0147						
72.000															
75.000															-.0196
76.500									.0144				-.0184		
81.000										.0069					
82.500									.0126						
85.000															
90.000					.0458	.0480	.0474			.0079			-.0172		-.0190
95.000												.0023			

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1022

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(YEZJ03)

ALPHA (1) = 19.289 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
95.500								.0156						
96.000											.0019		-.0006	
100.500										.0023				
109.000											-.0008			
111.000										-.0014				
122.000								-.0079					-.0184	
122.500											-.0202			
145.000								-.0164						
X/L	.9000	.9500												
PHI														
24.000	.1821													
24.500		.1481												

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP													
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000 .8290
PHI														
10.000		1.1807												
16.000		1.1101												
17.000														
19.500	.8159												.6096	
20.000					.7009		.5585							
22.000		.8960												
23.500													.5697	
26.000		.6442							.5385		.5884			
26.500					.6462									
32.000					.5574								.6139	
33.500		.2938												
35.500							.4764							
37.000						.3736								
39.500							.4123							
41.000								.2352						
42.500			.1932		.1737									
43.500							.2944							
45.000													.6397	
47.500							.1629		.3692					
51.000							.0744							
52.000													.0196	
53.000					.0401									
53.500								.1008						

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(YEZJ03)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.3108													
16.000		1.2075													
17.000															
19.500	.7577												.7711		
20.000					.8454		.7116								
22.000		.9330													
23.500														.7393	
26.000		.6664							.6975		.7447				

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(YEZJ03)

DEPENDENT VARIABLE CP

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(YEZJ03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.4434													
16.000		1.3206													
17.000													.9704		
19.500	.7166														
20.000					.9971		.8772								
22.000		.9894													
23.500														.9345	
26.000		.6577							.8700		.9317				
26.500					.8925										
32.000					.7316								.9645		
33.500		.2440													
35.500							.7052								
37.000					.4475										
39.500							.5883								
41.000									.5689						
42.500			.1636		.1769										
43.500							.3995								
45.000													.9756		
47.500							.1952		.5484						
51.000							.0792								
52.000													.0586		
53.000				.0506											
53.500									.1260						
55.500								.0160							
56.500															-.0179
57.000								.0230							
59.000					.1049										
66.000													-.0148		
66.500									.0169						
71.000									.0309						
72.000															-.0177
75.000													.0376		
76.500									.0362						
81.000										.0269					
82.500									.0340						
85.000															
90.000					.0041	.0315	.0629			.0362			-.0107		-.0172
95.000												.0045			
95.500								.0348							
96.000											.0332		-.0165		
100.500										.0292					
109.000											.0274				
111.000									.0206						
122.000								-.0142					-.0192		
122.500											-.0138				

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1026

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(YEZJ03)

ALPHA (4) = 39.931 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
145.000															
X/L	.9000	.9500													
PHI															
24.000	.7449														
24.500		.6549													

- .0200

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.5196													
16.000		1.3739													
17.000															
19.500	.6490												1.1072		
20.000					1.1108		1.0082								
22.000		.9914													
23.500															
26.000		.6600												1.0718	
26.500									.9975		1.0559				
32.000						.9848									
33.500						.7925							1.0989		
35.500		.2144													
37.000							.7915								
39.500						.4723									
41.000							.6577								
42.500									.8168						
43.500			.1495		.1749										
45.000							.4332								
47.500													1.0970		
51.000							.2058		.6065						
52.000							.0796								
53.000						.0583							.1950		
53.500									.1329						
55.500								.0158							
56.500															
57.000								.0234							
59.000						.0992									
66.000															
66.500															
71.000									.0174						
									.0298						

- .0168

- .0144

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(YEZJ03)

DEPENDENT VARIABLE CP

PHI

72.000

75.000

76.500

81.000

82.500

85.000

90.000

95.000

95.500

96.000
1.00.500100.500
100.000109.000
111.000

111.000
122.000

122.000
122.500

122.500
145.000

145.000

PHI

24.000

24.500

.8644

.7831

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1028

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(YEZJ04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) FUSELAGE CROSS SEC	DEPENDENT VARIABLE CP														
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
10.000		1.1889													
16.000		1.1180													
17.000															
19.500	.7893												.6485		
20.000															
22.000		.8924				.7178	.5788								
23.500															
26.000		.3543												.6183	
26.500															
32.000					.6601				.5676		.6124				
33.500					.5630									.6490	
35.500	.2931														
37.000							.4889								
39.500						.3693	.4205								
41.000															
42.500									.4988						
43.500			.1888		.1704		.2968								
45.000															
47.500							.1586		.3814				.6738		
51.000							.0722								
52.000															
53.000						.0366							.1182		
53.500															
55.500								.0136	.0962						
56.500															
57.000								.0212							-.0173
59.000						.1142									
66.000															
66.500															
71.000									.0205						
72.000									.0255						
75.000															
76.500															
81.000									.0223						
82.500									.0262						
85.000									.0223						
90.000						.0139	.0359	.0543							
95.000									.0193						
												.0055			

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(YEZJ04)

ALPHA (1) = 29.613 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

95.500

96.000

100.500

109.000

111.000

122.000

122.500

145.000

.0252

.0201

-.0118

.0217

.0150

-.0149

.0120

-.0174

-.0158

-.0192

X/L .9000 .9500

PHI

24.000

24.500

.4498

.3727

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000

16.000

17.000

19.500

20.000

22.000

23.500

26.000

26.500

32.000

33.500

35.500

37.000

39.500

41.000

42.500

43.500

45.000

47.500

51.000

52.000

53.000

53.500

1.4497

1.3298

.6913

1.0249

.9054

.9973

.9916

.2993

.9194

.7452

.8766

.9491

.9840

.2448

.9921

.4521

.7169

.5990

.7533

.1629

.1793

.3999

.1924

.0808

.9898

.0594

.2129

.1209

ARC 3.5-198 OH38 140C ORB FUSELAGE CROSS SECT.

(YEZJ04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION (1) FUSELAGE CROSS SEC

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	.3000	.3500	.4000	.5000	.6000	.8000	.8290
PHI															
55.500															
56.500								.0145							
57.000								.0238							-.0160
59.000					.1047										
66.000															
66.500													-.0143		
71.000								.0178							
72.000								.0350							
75.000															
76.500															-.0152
81.000								.0391					.0695		
82.500								.0362		.0337					
85.000															
90.000					.0020	.0332	.0658			.0391			-.0092		
95.000															-.0152
95.500												.0151			
96.000								.0375							
100.500											.0365		-.0136		
109.000										.0348					
111.000											.0295				
122.000										.0240					
122.500								-.0126					-.0175		
145.000								-.0182			-.0145				

X/L	.9000	.9500
PHI		
24.000	.7647	
24.500		.6646

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 .0032 .0079
 .932 .0006 -.0020
 .947 .0015 -.0014

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0097 -.0048
 .932 -.0143 -.0133
 .947 -.0141 -.0145

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 .0001 .0118
 .932 -.0002 .0009
 .947 .0001 .0001

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0106 .0040
 .932 -.0131 -.0115
 .947 -.0128 -.0121

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 1400 ORB AFT SIDEWALL

(REZK02) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0157 -.0110
.932 -.0172 -.0180
.947 -.0169 -.0180

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0105 -.0066
.932 -.0139 -.0133
.947 -.0139 -.0137

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0063 .0047
.932 -.0118 -.0109
.947 -.0120 -.0116

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1033

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .7177 1.2684
 .932 1.2657 1.2666
 .947 .4611 1.1368

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 1.2704 1.2703
 .932 1.2708 .4658
 .947 1.2708 1.2715

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916
 .932
 .947

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916
 .932
 .947

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1034

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK03)

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916

.932

.947

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1035

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .2297 .2061
 .932 .2428 .1328
 .947 .1350 .1423

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0046 .2881
 .932 -.0059 .0077
 .947 -.0060 -.0051

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0007 .2838
 .932 -.0026 .0111
 .947 -.0031 -.0019

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0092 .0065
 .932 -.0115 -.0099
 .947 -.0124 -.0113

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1036

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK04)

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916	-.0078	.0231
.932	-.0126	-.0098
.947	-.0127	-.0133

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0293 .6778
.932 .0256 .0701
.947 .0253 .0303

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0311 .4715
.932 .0272 .0620
.947 .0263 .0293

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0331 .9723
.932 .0279 .0778
.947 .0269 .0323

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1038

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0042 .3134
 .932 .0025 .0190
 .947 .0032 .0032

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0077 .3176
 .932 -.0119 .0066
 .947 -.0121 -.0104

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0069 .0436
 .932 -.0001 .0033
 .947 -.0002 -.0001

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
.916 .0395 .4506
.932 .0346 .0694
.947 .0335 .0359

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
.916 .0391 .6187
.932 .0333 .0745
.947 .0322 .0367

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
.916 .0439 .8492
.932 .0353 .0817
.947 .0343 .0387

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1040

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0051 .2005
.932 -.0073 .0058
.947 -.0065 -.0071

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0071 .3258
.932 .0047 .0242
.947 .0047 .0066

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0187 .2348
.932 .0032 .0173
.947 .0020 .0033

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0335 .6121
 .932 .0314 .0696
 .947 .0324 .0356

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0321 .8479
 .932 .0292 .0765
 .947 .0297 .0348

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0020 .3823
 .932 -.0031 .0309
 .947 -.0029 .0009

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0031 .5334
 .932 -.0018 .0390
 .947 -.0025 .0018

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1042

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK09)

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916	.0047	.7374
.932	-.0014	.0462
.947	-.0024	.0029

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1043

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK10) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0041 .0086
 .932 .0013 .0005
 .947 .0026 .0017

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0068 .0110
 .932 .0022 .0024
 .947 .0028 .0023

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0082 .0000
 .932 .0040 .0143
 .947 .0033 .0043

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0099 .4459
 .932 .0057 .0304
 .947 .0048 .0077

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1044

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK10)

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916	.0132	.1533
.932	.0065	.0170
.947	.0063	.0078

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1045

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0101 .0147
.932 .0050 .0045
.947 .0044 .0029

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0098 .0160
.932 .0038 .0047
.947 .0035 .0035

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0173 .0327
.932 .0064 .0083
.947 .0059 .0064

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPOBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
 .916 .0069 .0129
 .932 .0001 -.0016
 .947 .0012 -.0029

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
 .916 .0024 .0085
 .932 -.0025 -.0013
 .947 -.0024 -.0026

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
 .916 .0017 .0092
 .932 -.0029 -.0015
 .947 -.0034 -.0038

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
 .916 .0334 .0406
 .932 .0228 .0239
 .947 .0224 .0220

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1047

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK12)

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0355	.0511
.932	.0238	.0256
.947	.0227	.0219

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0077 -.0014
 .932 -.0084 -.0100
 .947 -.0076 -.0109

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0079 -.0013
 .932 -.0101 -.0102
 .947 -.0100 -.0104

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0091 -.0011
 .932 -.0109 -.0107
 .947 -.0115 -.0113

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0059 -.0048
 .932 -.0108 -.0103
 .947 -.0109 -.0112

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK13)

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916	.0151	.0281
.932	.0050	.0054
.947	.0039	.0030

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0094 .0020
 .932 -.0134 -.0112
 .947 -.0136 -.0151

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0110 .0020
 .932 -.0046 -.0138
 .947 -.0004 -.0099

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0020 .0120
 .932 .0237 -.0097
 .947 .0432 .0140

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1051

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK15) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 FN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0004 .0042
.932 -.0037 .0091
.947 -.0036 -.0055

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0041 .0042
.932 .0050 -.0069
.947 .0115 -.0029

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0182 .0382
.932 .0570 .0154
.947 .0709 .0370

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1052

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0018 -.0007
 .932 -.0112 -.0131
 .947 -.0083 -.0147

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0057 -.0074
 .932 -.0176 -.0142
 .947 -.0197 -.0174

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0119 -.0090
 .932 -.0194 -.0160
 .947 -.0176 -.0171

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0042 -.0010
 .932 -.0151 -.0144
 .947 -.0170 -.0173

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1053

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK16)

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916	.0168	.0228
.932	-.0080	-.0074
.947	-.0058	-.0115

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1054

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0098 .0018
.932 -.0105 -.0148
.947 -.0142 -.0165

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0135 -.0064
.932 -.0182 -.0159
.947 -.0189 -.0165

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0032 .0042
.932 -.0145 -.0129
.947 -.0171 -.0155

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1055

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(RCZK18) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.760

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0141 1.1826
.932 .0022 .0865
.947 .0005 .0094

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0028 1.4131
.932 -.0001 .1024
.947 -.0009 .0104

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0004 .3392
.932 -.0030 .0332
.947 -.0037 -.0001

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0021 .4767
.932 -.0021 .0435
.947 -.0035 .0027

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1056

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK18)

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0006	.6720
.932	-.0023	.0576
.947	-.0032	.0047

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0169	1.0817
.932	.0034	.0898
.947	.0016	.0125

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0126	.7642
.932	.0074	.0728
.947	.0038	.0172

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1057

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0038 .0089
.932 -.0036 -.0030
.947 -.0042 -.0048

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0006 .0048
.932 -.0037 -.0035
.947 -.0039 -.0035

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0065 .0068
.932 -.0028 -.0022
.947 -.0039 -.0039

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0068 .0119
.932 -.0009 -.0003
.947 -.0035 -.0034

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1058

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK19)

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0062	.0192
.932	.0002	.0027
.947	-.0014	-.0008

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0252	.0360
.932	.0064	.0061
.947	.0026	.0021

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1059

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
.916 -.0005 .0179
.932 -.0080 -.0025
.947 -.0081 -.0072

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
.916 -.0010 .0436
.932 -.0048 .0017
.947 -.0063 -.0058

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
.916 .0042 .0044
.932 .0008 .0004
.947 -.0001 -.0010

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L
.916 .0055 .0200
.932 .0010 .0029
.947 -.0005 .0007

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1060

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK20)

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0077	.0232
.932	.0016	.0039
.947	.0008	.0017

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0201	.0370
.932	.0064	.0080
.947	.0041	.0046

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1061

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK30) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0029 .2604
 .932 -.0025 .0217
 .947 -.0031 -.0014

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0000 .0000
 .932 .0000 .0000
 .947 .0000 .0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0056 .0023
 .932 -.0136 -.0123
 .947 -.0147 -.0145

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0053 .3660
 .932 -.0004 .0304
 .947 -.0023 .0016

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1062

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK30)

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0119	.5014
.932	.0014	.0368
.947	-.0001	.0036

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0147	.0343
.932	-.0067	-.0046
.947	-.0092	-.0093

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1063

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK31) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0157 .1537
.932 -.0158 -.0044
.947 -.0155 -.0163

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0141 .2238
.932 -.0171 -.0017
.947 -.0172 -.0160

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1064

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK32) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12873 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0017 .0219
 .932 -.0138 -.0035
 .947 -.0063 -.0153

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0004 .2697
 .932 -.0104 .0127
 .947 -.0131 -.0110

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0075 -.0024
 .932 -.0052 -.0122
 .947 -.0061 -.0114

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0020 .3837
 .932 -.0010 .0178
 .947 -.0019 -.0055

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1065

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK32)

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0005	.5370
.932	.0112	.0241
.947	.0129	.0024

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0023	.0149
.932	.0312	-.0093
.947	.0371	.0150

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0016	.0244
.932	.0531	-.0074
.947	.0624	.0308

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0000	.0000
.932	.0000	.0032
.947	.0000	.0577

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 1066

ARC 3.5-198 OH3B 140C ORB AFT SIDEWALL

(REZK33) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0031 .2165
 .932 -.0078 .0104
 .947 -.0078 -.0093

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0024 .0088
 .932 -.0042 -.0096
 .947 .0036 -.0091

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0057 .0182
 .932 .0176 -.0089
 .947 .0209 .0056

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0125 .3029
 .932 .0404 .0063
 .947 .0422 .0153

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1067

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK34) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPOBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0104 .0152
 .932 -.0065 -.0047
 .947 .0092 -.0080

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12580 CPSTAG = 1.8291

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0052 .0064
 .932 -.0125 -.0143
 .947 -.0159 -.0178

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0097 -.0007
 .932 -.0117 -.0109
 .947 -.0121 -.0120

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0110 .0138
 .932 -.0198 -.0140
 .947 -.0172 -.0170

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1068

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK34)

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	-.0037	.0026
.932	-.0106	-.0032
.947	-.0111	-.0113

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0143	.0211
.932	-.0150	-.0111
.947	-.0151	-.0148

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0014	.0236
.932	-.0076	-.0056
.947	-.0079	-.0086

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0568	.0515
.932	.0046	.0067
.947	.0272	-.0011

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1069

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8262

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0113 .0004
 .932 -.0151 -.0148
 .947 -.0144 -.0162

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0101 -.0013
 .932 -.0166 -.0143
 .947 -.0165 -.0166

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0138 .0031
 .932 -.0174 -.0145
 .947 -.0199 -.0177

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0140 .0075
 .932 -.0179 -.0147
 .947 -.0173 -.0172

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 1070

ARC 3.5-198 OH3B 140C ORB AFT SIDEWALL

(REZK35)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	-.0102	.0172
.932	-.0164	-.0139
.947	-.0180	-.0190

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0028	.0343
.932	-.0133	-.0095
.947	-.0135	-.0140

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1071

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0061 -.0033
 .932 -.0148 -.0144
 .947 -.0139 -.0146

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0145 -.0142
 .932 -.0177 -.0183
 .947 -.0189 -.0177

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0069 .0029
 .932 -.0109 -.0096
 .947 -.0100 -.0110

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0002 .0093
 .932 -.0128 -.0121
 .947 -.0150 -.0153

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1072

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK36)

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916	.0298	.0416
.932	-.0005	-.0013
.947	-.0041	-.0051

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1073

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0063 -.0088
.932 -.0171 -.0173
.947 -.0176 -.0200

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0128 -.0126
.932 -.0171 -.0181
.947 -.0173 -.0188

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1074

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(REZK38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPOBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0164 -.0095
.932 -.0155 -.0172
.947 -.0144 -.0177

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0128 -.0069
.932 -.0174 -.0172
.947 -.0173 -.0179

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1075

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0064 -.0003
 .932 -.0168 -.0124
 .947 -.0154 -.0176

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0114 -.0006
 .932 -.0195 -.0160
 .947 -.0215 -.0184

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0100 -.0047
 .932 -.0156 -.0177
 .947 -.0197 -.0196

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0060 .0058
 .932 -.0148 -.0135
 .947 -.0160 -.0154

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1076

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK03)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0078 .0172
.932 -.0137 -.0107
.947 -.0148 -.0141

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0022 .0271
.932 -.0125 -.0095
.947 -.0139 -.0132

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0080 .0326
.932 -.0068 -.0051
.947 -.0090 -.0094

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1077

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .2932 .0226
.932 .0015 -.0116
.947 -.0132 -.0154

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0155 -.0028
.932 -.0170 -.0157
.947 -.0171 -.0179

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0130 -.0041
.932 -.0170 -.0162
.947 -.0176 -.0175

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0119 .0063
.932 -.0149 -.0133
.947 -.0153 -.0161

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1078

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK04)

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0070	.0188
.932	-.0120	-.0113
.947	-.0156	-.0151

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	-.0051	.0308
.932	-.0149	-.0116
.947	-.0149	-.0144

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1079

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0111 .2288
 .932 -.0149 .0071
 .947 -.0157 -.0152

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0149 .3299
 .932 -.0169 .0121
 .947 -.0177 -.0143

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0124 -.0016
 .932 -.0149 -.0136
 .947 -.0149 -.0159

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0067 .4716
 .932 -.0146 .0211
 .947 -.0148 -.0110

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1080

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK05)

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	-.0074	.0233
.932	-.0117	-.0090
.947	-.0124	-.0127

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916	.0295	.0292
.932	-.0062	-.0061
.947	-.0097	-.0091

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1081

ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0177 -.0104
.932 -.0178 -.0186
.947 -.0170 -.0195

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0013 .0097
.932 -.0164 -.0116
.947 -.0150 -.0179

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0119 -.0094
.932 -.0180 -.0179
.947 -.0189 -.0190

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0019 .0172
.932 -.0143 -.0125
.947 -.0090 -.0160

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0042 .0009
 .932 -.0156 -.0145
 .947 -.0169 -.0162

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0046 .3534
 .932 -.0143 .0152
 .947 -.0138 -.0136

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0122 -.0037
 .932 -.0180 -.0160
 .947 -.0177 -.0173

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0092 .4972
 .932 -.0159 .0255
 .947 -.0172 -.0125

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(XEZK11)

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0078 .0033
.932 -.0173 -.0118
.947 -.0182 -.0150

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 .0069 .6957
.932 -.0116 .0308
.947 -.0124 -.0084

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 -.0074 .0315
.932 -.0151 -.0070
.947 -.0158 -.0111

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916 .0066 .0332
.932 -.0135 -.0053
.947 -.0136 -.0102

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(YEZK03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0154 -.0047
 .932 -.0171 -.0174
 .947 -.0177 -.0197

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0137 .1000
 .932 -.0185 -.0051
 .947 -.0181 -.0168

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0155 -.0042
 .932 -.0188 -.0168
 .947 -.0188 -.0184

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 -.0097 .2104
 .932 -.0165 .0045
 .947 -.0170 -.0145

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(YEZK03)

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

Z0 310.0000340.0000

X/L

.916	-.0072	.0131
.932	-.0149	-.0121
.947	-.0159	-.0149

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB AFT SIDEWALL

(YEZK04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BOFLAP = .000 RN/L = C 500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .0651 .0430
.932 -.0087 -.0105
.947 -.0147 -.0153

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) AFT SIDEWALL

DEPENDENT VARIABLE CP

ZO 310.0000340.0000

X/L

.916 .2546 .0601
.932 .0008 -.0089
.947 -.0136 -.0143

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZL01) (27 SEP 74)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	41.533
BDFLAP	=	15.667	RN/L	=	3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
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X/C

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL01)

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0138	.0538	.1849	.7027	1.3167	.9103	.4977	.5109		
.010								.8661			
.025	.0304			.5981							
.043				.5206							
.050	.2698				.8946						
.075	.3541										
.100					.8683	1.0609	.8180	.8664	.8863	.0052	
.176	.5512										
.200				.6468							
.300				.6062	.6997		.6912	.7587	.8196	.7530	
.318	.5949										
.450					.6371		.6521				
.459	.6193										
.497										.7021	
.600				.5744	.6100		.6197				-.0159
.601	.6001										
.602									.7268		
.652								.6647			
.698							.3414				
.700				.5321							
.718					.5712						
.743	.5611										
.751				.5014						.3299	
.784									.5098		
.797								.4266			
.809							.4305				
.814											
.831				.4004							
.849	.4711										
.900				.3122			.5847				
.950				.2532			.2650				
.955	.0000										

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0000	.0740	.0000	1.1981	.1763	.9901	.4116	.3444		
.010								.0000			
.025	.0574			.0000							
.043				.0000							
.050	.3062				.0000						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL01)

ALPHA (3) = 35.065 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.0000										
.100					1.0038	1.1747	1.1388	1.0530	.0000	.0000	
.176	.6192										
.200				.0000							
.300				.0000	.8874		.9251	.9741	.0000	.0000	
.318	.0000										
.450					.8498		.9158				
.459	.0000										
.497										.0000	
.600				.0000	.8167		.8615				-.0024
.601	.0000										
.602									.0000		
.652							.8805				
.698							.5040				
.700				.0000							
.718					.7722						
.743	.0000										
.751				.7024						.0000	
.784									.0000		
.797								.5987			
.809							.6097				
.814					.6093						
.831				.5810							
.849	.0000										
.900				.4768			.7984				
.950				.4034			.4109				
.955	.0000										

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0234	.0623	.1636	.7234	.6919	.6935	.2726	.2104		
.010								.9310			
.025	.0424			.7002							
.043				.4744							
.050	.3707				1.3109						
.075	.5200										
.100					1.1123	1.2662	1.3447	1.1914	1.1938	.0234	
.176	.7662										
.200				.8922							
.300				.8852	1.0573		1.1105	1.1479	1.1904	1.0816	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL01)

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.318	.8380				
.450		1.0305	1.0962		
.459	.8971				
.497					
.600		.8766	1.0001	1.0704	1.0329
.601	.8886				-.0157
.602					
.652					
.698					
.700		.8418		.6475	1.1016
.718			.9423		
.743	.8534				
.751		.8774			
.784					
.797					
.809					
.814			.7558	.7645	.8309
.831		.7353			.5647
.849	.7521				
.900		.6161		.9876	
.950		.5326		.5300	
.955	.0213				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL02) (27 SEP 74)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT.  XMRP = .0000
LREF = 1290.3000 IN.      YMRP = .0000
BREF = 1290.3000 IN.      ZMRP = .0000
SCALE = .0100
```

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDRBK	=	41.533
BDFLAP	=	15.667	RN/L	=	6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL02)

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0113	.0521	.1364	.5356	.0000	.0000	.4895	.4698		
.010								.9000			
.025	.0281			.5304							
.043				.3072							
.050	.2242				.9511						
.075	.3634										
.100					.8634	.0000	.8402	.8921	.9024	.0037	
.176	.5030										
.200				.6045							
.300				.5628	.7210		.7127	.7895	.8255	.7796	
.318	.5492										
.450					.6587		.6880				
.459	.5786										
.497										.7282	
.600				.5386	.6405		.6127				-.0147
.601	.5619										
.602									.7569		
.652								.7178			
.698							.3564				
.700				.5137							
.718					.5921						
.743	.5238										
.751				.5359						.3928	
.784									.5301		
.797								.4555			
.809							.4427				
.814					.4536						
.831				.4240							
.849	.4310										
.900				.3381			.5976				
.950				.2732			.2866				
.955	.0031										

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0249	.0621	.1264	.5319	.6562	.6637	.2556	.1834		
.010								.8352			
.025	.0373			.6781							
.043				.2775							
.050	.3311				1.1577						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL02)

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

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(REZL03) (23 SEP 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL03)

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0385	.0760	.1477	.9964	1.5301	.7134	.6426	.6202		
.010								.9951			
.025	.0459			.3173							
.043				.1771							
.050	.1536				.9283						
.075	.3002										
.100					.7331	.8471	.6022	.7292	.7376	.0241	
.176	.2605										
.200				.3202							
.300				.2932	.5537		.5106	.6199	.6444	.6042	
.318	.2819										
.450					.5010		.5089				
.459	.3016										
.497										.5656	
.600				.2673	.4853		.4972				.0096
.601	.2931										
.602									.5824		
.652								.5258			
.698							.2633				
.700				.2413							
.718					.4535						
.743	.2617										
.751				.3913						.2577	
.784									.4047		
.797								.3706			
.809							.3403				
.814					.3296						
.831				.4244							
.849	.2153										
.900				.1954			.4701				
.950				.1977			.2199				
.955	.0301										

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0512	.0854	.1375	.4149	1.2780	1.0703	.5414	.4852		
.010								.9693			
.025	.0552			.3958							
.043				.2004							
.050	.1772				1.0243						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL03)

ALPHA (3) = 29.791 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3797										
.100					.8802	1.0637	.8402	.9244	.9287	.0351	
.176	.3395										
.200				.4823							
.300				.4706	.7144		.7306	.7998	.8226	.7760	
.318	.4143										
.450					.6695		.6775				
.459	.4724										
.497										.7219	
.600				.4531	.6362		.6427				.0153
.601	.4646										
.602									.7500		
.652								.7017			
.698							.3769				
.700				.4148							
.718					.5990						
.743	.4225										
.751				.5376						.3678	
.784									.5306		
.797								.2133			
.809							.4612				
.814					.4632						
.831				.5866							
.849	.3421										
.900				.2977			.6106				
.950				.2873			.3226				
.955	.0435										

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0554	.0912	.1359	.7329	.9555	.9917	.4165	.3242		
.010								.8665			
.025	.0651			.5046							
.043				.3053							
.050	.1972				1.0897						
.075	.4551										
.100					.9949	1.1518	1.1339	1.0666	1.0986	.0388	
.176	.5074										
.200				.6778							
.300				.6601	.8772		.9248	.9970	1.0068	.9348	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL03)

ALPHA (4) = 34.916 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6149										
.450					.8474		.9158				
.459	.6653										
.497										.8871	
.600				.6482	.8118		.8643				.0125
.601	.6612										
.602									.9432		
.652								.8945			
.698							.5117				
.700				.6001							
.718					.7664						
.743	.6141										
.751				.7014						.4779	
.784									.6850		
.797								.3520			
.809							.6158				
.814					.6050						
.831				.5093							
.849	.5250										
.900				.4183			.7952				
.950				.4069			.4473				
.955	.0521										

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0697	.0966	.1360	.6170	.7085	.7229	.3053	.2190		
.010								.8016			
.025	.0746			.5638							
.043				.3663							
.050	.2254				1.1427						
.075	.5381										
.100					1.1113	1.2382	1.3314	1.2130	1.2187	.0559	
.176	.6530										
.200				.8115							
.300				.8173	1.0426		1.1088	1.1589	1.1827	1.1013	
.318	.7632										
.450					1.0194		1.0939				
.459	.8228										
.497										1.0462	
.600				.7972	.9912		1.0483				.0126

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

(REZL03)

ALPHA (5) = 39.806 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.601	.8153					
.602						
.652					1.0639	1.1134
.698					.6634	
.700		.7577				
.718			.9303			
.743	.7720					
.751		.8732				
.784						.5819
.797					.5001	.8423
.809					.7766	
.814			.7625			
.831		.5039				
.849	.6759					
.900		.5526			.9879	
.950		.5443			.5833	
.955	.0691					

PAGE 1099

(REZL04) (27 SEP 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1100

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL04)

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0170	.0550	.1206	.3780	1.5269	.7063	.5975	.5776		
.010								.9539			
.025	.0239			.4607							
.043				.3053							
.050	.1400				.9483						
.075	.2949										
.100					.7306	.8892	.5805	.7266	.7290	.0048	
.176	.3870										
.200				.4685							
.300				.4249	.5549		.5122	.6109	.6433	.6168	
.318	.4249										
.450					.4903		.4878				
.459	.4456										
.497										.5760	
.600				.3997	.4823		.4694				-.0047
.601	.4307										
.602									.5764		
.652								.5344			
.698							.2477				
.700				.3694							
.718					.4387						
.743	.3878										
.751				.3915						.3014	
.784									.4024		
.797								.3212			
.809							.3211				
.814					.3193						
.831				.3007							
.849	.3140										
.900				.2017			.4482				
.950				.1861			.2012				
.955	.0082										

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0255	.0629	.1156	.9344	1.2212	1.2149	.4948	.4317		
.010								.8969			
.025	.0326			.5328							
.043				.3305							
.050	.1841				1.0042						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1101

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL04)

ALPHA (3) = 29.923 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3613										
.100					.8640	1.0604	.8352	.8992	.9168	.0114	
.176	.4988										
.200				.5933							
.300				.5656	.7149		.7330	.7838	.8199	.7803	
.318	.5552										
.450					.6603		.6957				
.459	.5771										
.497										.7307	
.600				.5332	.6397		.6072				-.0031
.601	.5699										
.602									.7394		
.652								.6954			
.698							.3603				
.700				.5021							
.718					.5858						
.743	.5251										
.751				.5268						.4082	
.784											
.797								.4541			
.809							.4442				
.814					.4085						
.831				.4229							
.849	.4332										
.900				.3077			.5829				
.950				.2852			.3043				
.955	.0174										

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0174	.0551	.1184	.7022	.9130	.9391	.3627	.2726		
.010								.7595			
.025	.0320			.6035							
.043				.3948							
.050	.2753				1.0244						
.075	.4373										
.100					1.0008	.0000	.0000	.0000	.0000	.0106	
.176	.6338										
.200				.7476							
.300				.7249	.8951		.9402	.9801	1.0119	.9556	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZLO4)

ALPHA (4) = 34.998 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6885										
.450					.8514		.9151				
.459	.7353										
.497										.9151	
.600				.7127	.8311		.8340				-.0137
.601	.7245										
.602									.9419		
.652								.8554			
.698							.4950				
.700				.6702							
.718					.7623						
.743	.6897										
.751				.6926						.5048	
.784									.6845		
.797								.6075			
.809							.5997				
.814					.5925						
.831				.5652							
.849	.5812										
.900				.4658			.7880				
.950				.3887			.4101				
.955	.0112										

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0235	.0596	.1336	.5372	.6593	.6683	.2521	.1806		
.010								.7465			
.025	.0384			.6890							
.043				.4486							
.050	.3329				1.1385						
.075	.5056										
.100					.0000	.0000	.0000	.0000	.0000	.0316	
.176	.7639										
.200				.9062							
.300				.8896	.0000		.0000	.0000	.0000	.0000	
.318	.8403										
.450					1.0251		.0000				
.459	.8894										
.497										.0000	
.600				.8987	1.0150		1.0111				-.0107

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL04)

ALPHA (5) = 39.693 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.601

.8941

.602

.652

. 639

.700

.718

.743
751

.751
784

.797

.809

.814

.831

.849
822

.900
.950

.950
.955

.333

.7507

.0324

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(REZL05)

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0636	.0822	.1440	.6096	1.6453	.7731	.7439	.7274		
.010								.9991			
.025	.0658			.2403							
.043				.1534							
.050	.1254				.8188						
.075	.2326										
.100					.5916	.5068	.4622	.5587	.5365	.0332	
.176	.1792										
.200				.2173							
.300				.1943	.4076		.4437	.4612	.4793	.4494	
.318	.1892										
.450					.3686		.3782				
.459	.2016										
.497										.4236	
.600				.1737	.3434		.3634				.0244
.601	.1887										
.602									.4260		
.652								.3879			
.698							.3041				
.700				.1605							
.718					.3152						
.743	.1725										
.751				.2816						.2692	
.784											
.797								.3748	.4194		
.809							.1838				
.814					.3455						
.831				.3044							
.849	.1489										
.900				.2651			.1594				
.950				.2224			.2524				
.955	.0562										

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0836	.1045	.1439	.6236	.7464	.7666	.3117	.2282		
.010								.8061			
.025	.0908			.6304							
.043				.4575							
.050	.2182				1.1821						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZLO6) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0262	.0550	.1218	.7894	1.6842	.8356	.7119	.7109		
.010								.9817			
.025	.0309			.3880							
.043				.2755							
.050	.0941				.8140						
.075	.2133										
.100					.5706	.4305	.4818	.5222	.5097	.0106	
.176	.2547										
.200				.3469							
.300				.2964	.4019		.3459	.4312	.4656	.4382	
.318	.2893										
.450				.3298			.3714				
.459	.3093										
.497										.4114	
.600				.2664	.3232		.3377				.0003
.601	.2927										
.602									.4070		
.652								.3614			
.698							.2723				
.700				.2430							
.718					.2955						
.743	.2578										
.751				.2593						.2990	
.784									.4035		
.797								.1488			
.809							.1119				
.814											
.831				.2970	.3163						
.849	.2018										
.900				.2450			.0677				
.950				.1988			.2228				
.955	.0233										

REPRODUCIBILITY OF THE
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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL06)

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0154	.0541	.0855	.6355	1.3370	1.1122	.4806	.4192		
.010								.8547			
.025	.0200			.5264							
.043				.3603							
.050	.1526				.9536						
.075	.3428										
.100					.8368	1.0074	.8140	.8693	.8897	.0146	
.176	.4862										
.200				.5793							
.300				.5414	.6876		.3489	.7562	.8131	.7450	
.318	.5346										
.450					.6543		.6455				
.459	.5614										
.497										.6987	
.600				.5110	.6254		.5844				-.0120
.601	.5399										
.602									.7078		
.652								.6667			
.698							.5275				
.700				.4726							
.718					.5837						
.743	.4995										
.751				.5065						.5417	
.784									.7194		
.797								.2813			
.809							.1758				
.814					.6536						
.831				.5636							
.849	.4147										
.900				.4896			.0838				
.950				.4070			.4546				
.955	.0149										

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0430	.0708	.0927	.4413	.6770	.6580	.2555	.1763		
.010								.6967			
.025	.0547			.6683							
.043				.4172							
.050	.3113				1.0895						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL06)

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

X/C

.075	.5155							
.100			1.1321	1.2277	1.3103	1.1704	1.1856	.0464
.176	.7382							
.200		.8672						
.300		.8595	1.0573		.3492	1.1358	1.1894	1.0950
.318	.8091							
.450			1.0329		1.0733			
.459	.8721							
.497								
.600		.8591	1.0061		1.0096			1.0502
.601	.8744							-.0042
.602								
.652							1.0890	
.698						1.0114		
.700		.8089			.8689			
.718			.9321					
.743	.8390							
.751		.8782						
.784								
.797							1.0530	.8792
.809						.4540		
.814					.2578			
.831			1.0086					
.849	.7258	.9645						
.900		.8381			.1109			
.950		.7319			.7780			
.955	.0530							

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZL07) (23 SEP 74)

ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	5.050
ELEV-R	=	4.100	SPDBRK	=	.000
BDFLAP	=	15.667	RN/L	=	3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL07)

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0789	.1029	.1316	.2213	1.0836	.9453	.4229	.3648		
.010								.9659			
.025	.0805			.5754							
.043				.5112							
.050	.1816				1.0280						
.075	.3067										
.100					.7160	.8905	.7032	.7325	.7357	.0552	
.176	.5361										
.200				.6458							
.300				.6070	.5804		.5977	.6510	.6828	.6302	
.318	.5972										
.450					.5531		.0817				
.459	.6253										
.497										.5773	
.600				.5755	.5266		.5290				.0323
.601	.5969										
.602									.5885		
.652							.5654				
.698							.4523				
.700				.5321							
.718					.4969						
.743	.5560										
.751				.4522						.4202	
.784									.5847		
.797							.5197				
.809							.4975				
.814					.5253						
.831				.4992							
.849	.4731										
.900				.4212			.4996				
.950				.3592			.3159				
.955	.0739										

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0978	.1108	.1384	.2069	.6258	.6105	.2546	.1832		
.010								.7948			
.025	.1028			.7206							
.043				.6376							
.050	.2289				1.1754						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZL07)

ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

ALPHA (3) = 39.985 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL08) (27 SEP 74)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.  XMRP = .0000
LREF = 1290.3000 IN.     YMRP = .0000
BREF = 1290.3000 IN.     ZMRP = .0000
SCALE = .0100

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PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	5.050
ELEV-R	=	4.100	SPDBRK	=	.000
BDFLAP	=	15.667	RN/L	=	6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL08)

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0325	.0706	.0828	.2524	1.2661	1.1209	.4656	.3995		
.010								.9214			
.025	.0362			.5173							
.043				.3209							
.050	.1139				1.0081						
.075	.3488										
.100					.8251	1.0278	.8037	.8520	.8533	.0195	
.176	.4843										
.200				.5835							
.300				.5508	.6835		.7041	.7431	.7915	.7423	
.318	.5340										
.450					.6331		.6456				
.459	.5693										
.497										.6830	
.600				.5319	.6025		.5726				.0138
.601	.5613										
.602									.6961		
.652								.6568			
.698							.5165				
.700				.4853							
.718					.5569						
.743	.5114										
.751				.4839						.5393	
.784									.6960		
.797								.6162			
.809							.6063				
.814					.6018						
.831				.5502							
.849	.4269										
.900				.4678			.5128				
.950				.3975			.4580				
.955	.0302										

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0505	.0738	.0963	.4625	.6816	.6628	.2566	.1775		
.010								.7271			
.025	.0590			.6663							
.043				.4323							
.050	.2961				1.1112						

[illegible]

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PAGE 1115

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL08)

ALPHA (3) = 40.015 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL09)

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0680	.0928	.1432	.2732	1.4246	.5623	.5140	.4723		
.010								1.0232			
.025	.0701			.5088							
.043				.4488							
.050	.1520				.9598						
.075	.2467										
.100					.6167	.6834	.4973	.5950	.5746	.0460	
.176	.4131										
.200				.5185							
.300				.4699	.4570		.4197	.4981	.5275	.4915	
.318	.4628										
.450					.4165		.0788				
.459	.4836										
.497										.4563	
.600				.4406	.4009		.4128				.0286
.601	.4632										
.602									.4521		
.652								.4059			
.698							.3415				
.700				.3991							
.718					.3796						
.743	.4251										
.751				.3661						.3224	
.784									.4358		
.797								.3868			
.809							.4019				
.814					.3863						
.831				.3775							
.849	.3537										
.900				.3220			.3856				
.950				.2715			.2860				
.955	.0621										

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0197	.0696	.0979	.1683	1.0024	.9069	.3665	.3090		
.010								.9230			
.025	.0267			.5287							
.043				.4702							
.050	.1915				.9783						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1118

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL09)

ALPHA (3) = 29.770 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.2508										
.100					.6487	.8117	.6499	.6671	.6695	.0090	
.176	.4921										
.200				.5925							
.300				.5504	.5277		.5645	.5948	.6173	.5739	
.318	.5485										
.450					.4949		.0322				
.459	.5659										
.497										.5144	
.600				.5169	.4724		.4692				-.0032
.601	.5470										
.602									.5340		
.652								.4950			
.698							.3998				
.700				.4766							
.718					.4462						
.743	.5017										
.751				.4409						.3498	
.784									.5070		
.797								.4207			
.809							.4437				
.814					.4562						
.831				.4292							
.849	.4205										
.900				.3667			.4445				
.950				.3093			.0000				
.955	.0159										

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0264	.0747	.0945	.1563	.7494	.7399	.2743	.2024		
.010								.0000			
.025	.0337			.6078							
.043				.5372							
.050	.2445				1.0659						
.075	.3214										
.100											
.176	.6233				.7851	.9195	.8911	.8082	.8184	.0199	
.200				.7311							
.300				.6990	.6776		.7502	.7699	.7853	.7242	

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL09)

ALPHA (4) = 34.925 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6801										
.450					.6588		.0436				
.459	.7173										
.497										.6625	
.600				.6852	.6359		.6530				-.0035
.601	.0000										
.602									.0000		
.652								.6566			
.698							.5344				
.700				.6377							
.718					.5980						
.743	.6590										
.751				.5892						.4788	
.784									.6851		
.797								.0000			
.809							.6079				
.814					.6041						
.831				.5758							
.849	.5699										
.900				.5064			.6047				
.950				.4332			.4453				
.955	.0255										

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0356	.0770	.0950	.1847	.5778	.5605	.2064	.1389		
.010								.7511			
.025	.0442			.6788							
.043				.5883							
.050	.2820				1.1419						
.075	.3986										
.100					1.0123	1.0424	1.1012	.9657	.9560	.0347	
.176	.7469										
.200				.8693							
.300				.8599	.9064		.9497	.9567	.9693	.8911	
.318	.8103										
.450					.8645		.0640				
.459	.8627										
.497										.8243	
.600				.8548	.8283		.8521				-.0047

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38.140C ORB WING LOWER SURFACE(LT)

(REZL09)

ALPHA (5) = 40.056 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.601

.602

.652

.698

.700

.718

.743

.751

.784

.797

.809

.814

.831

.849

.900

.950

.955

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL10) (23 SEP 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	5.050
ELEV-R	=	4.100	SPDBRK	=	.000
BDFLAP	=	22.333	RN/L	=	6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL10)

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0287	.0621	.1100	.9435	1.6911	.7331	.6147	.5915		
.010								.9290			
.025	.0356			.4592							
.043			.3419								
.050	.1221				.9056						
.075	.2956										
.100					.7395	.8839	.5884	.7303	.7417	.0168	
.176	.3769										
.200				.4746							
.300			.4225	.5577			.5165	.6099	.6657	.6365	
.318	.4225										
.450				.4927			.4847				
.459	.4386										
.497										.5798	
.600			.4015	.4703			.4929				.0014
.601	.4249										
.602									.5807		
.652								.5262			
.698							.4136				
.700			.3578								
.718				.4401							
.743	.3768										
.751			.3906							.3251	
.784									.5865		
.797								.5026			
.809							.4988				
.814				.4741							
.831			.4352								
.849	.3081										
.900			.3672				.4459				
.950			.3092				.3579				
.955	.0264										

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0418	.0678	.1025	.1341	1.2528	1.1456	.4413	.3822		
.010								.8751			
.025	.0484			.5209							
.043			.3818								
.050	.2038				.9913						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL10)

ALPHA (3) = 29.722 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3301										
.100					.7437	.9783	.7856	.8199	.8272	.0355	
.176	.5135										
.200				.6114							
.300				.5694	.5842		.6825	.7164	.7697	.7137	
.312	.5592										
.450					.5595		.6309				
.459	.5943										
.497										.6574	
.600				.5474	.5245		.0813				.0020
.601	.5792										
.602											
.652								.6303	.6720		
.698							.4874				
.700				.4976							
.718					.4863						
.743	.5293										
.751				.4374						.5348	
.784											
.797								.5950	.6855		
.809							.5719				
.814					.5172						
.831				.4884							
.849	.4470										
.900				.4051			.5220				
.950				.3272			.4284				
.955	.0432										

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 5.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0474	.0739	.0935	.1992	.9205	.9033	.3512	.2565		
.010								.7841			
.025	.0499			.6108							
.043				.3855							
.050	.3071				1.0488						
.075	.4237										
.100					.9632	1.1235	1.0939	1.0035	1.0253	.0342	
.176	.6246										
.200				.7389							
.300				.7160	.8586		.8927	.9331	.9794	.9098	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL10)

ALPHA (4) = 34.930 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6792										
.450					.8256		.7837				
.459	.7335										
.497										.8553	
.600				.6984	.7835		.8136				.0019
.601	.7241										
.602									.8730		
.652								.8389			
.698							.6764				
.700				.6475							
.718					.7311						
.743	.6807										
.751				.6267						.6855	
.784									.8820		
.797								.7935			
.809							.7976				
.814					.7840						
.831				.7350							
.849	.5798										
.900				.6360			.7447				
.950				.5300			.5953				
.955	.0478										

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0604	.0768	.0919	.4754	.6649	.6507	.2590	.1797		
.010								.7362			
.025	.0630			.6652							
.043				.3003							
.050	.3510				1.1152						
.075	.5131										
.100					1.1123	1.2510	1.2970	1.1569	1.1815	.0496	
.176	.7380										
.200				.8659							
.300				.8649	1.0532		1.0882	1.1290	1.1739	1.0971	
.318	.8025										
.450					1.0310		1.0516				
.459	.8708										
.497										1.0307	
.600				.8561	.9941		1.0130				.0022

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL10)

ALPHA (5) = 39.974 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE	DEPENDENT VARIABLE CP										
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.601	.8717										
.602											
.652								1.0072	1.0760		
.698							.8603				
.700				.8058							
.718					.9237						
.743	.8344										
.751				.8676						.8412	
.784									1.0827		
.797								.9747			
.809							1.0018				
.814					.9814						
.831				.9550							
.849	.7264										
.900				.8329			.9546				
.950				.7191			.7726				
.955	.0620										

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

(REZL11) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	.0000
LREF	=	1290.3000	IN.	YMRP	=	.0000
BREF	=	1290.3000	IN.	ZMRP	=	.0000
SCALE	=	.0100				

BETA	=	.000	ELEV-L	=	10.000
ELEV-R	=	9.100	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL11)

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0292	.0736	.0879	.8498	1.2980	1.2315	.5238	.4583		
.010								.9121			
.025	.0378			.2442							
.043				.1208							
.050	.1173				.9783						
.075	.3587										
.100					.8443	1.0303	.8577	.9010	.9180	.0203	
.176	.2326										
.200				.2876							
.300				.2849	.6970		.7228	.7903	.8310	.7718	
.318	.2624										
.450					.6560		.6970				
.459	.2948										
.497										.7132	
.600				.2781	.6286		.6489				.0018
.601	.3019										
.602									.7289		
.652								.6862			
.698							.8032				
.700				.2572							
.718					.6014						
.743	.2701										
.751				.6094						.5081	
.784									.9745		
.797								.8896			
.809							.9354				
.814					.8335						
.831				.6784							
.849	.2378										
.900				.6912			.5972				
.950				.6080			.7051				
.955	.0305										

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0520	.0803	.0998	.3692	.7377	.7445	.2911	.2067		
.010								.7499			
.025	.0599			.3657							
.043				.1605							
.050	.1823				1.1451						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(REZL12) (23 SEP 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	-7.367
ELEV-R	=	-7.033	SPDBRK	=	.000
BDFLAP	=	-12.167	RN/L	=	3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

DEPENDENT VARIABLE CP

[illegible]

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL12)

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0000	.0620	.0000	1.0780	1.6774	.7087	.0000	.0000		
.010								.0000			
.025	.0000			.0000							
.043				.0000							
.050	.0000				.0000						
.075	.0000										
.100					.7247	.8508	.5945	.0000	.0000	.0000	
.176	.0000										
.200				.0000							
.300				.0000	.5449		.4982	.0000	.0000	.0000	
.318	.0000										
.450					.4932		.4962				
.459	.0000										
.497										.0000	
.600				.0000	.4740		.5064				-.0033
.601	.0000										
.602									.0000		
.652								.0000			
.698							.1248				
.700				.0000							
.718					.4422						
.743	.0000										
.751				.3819						.0000	
.784									.0000		
.797								.0000			
.809							.1795				
.814					.1775						
.831				.1702							
.849	.0000										
.900				.1156			.4586				
.950				.0916			.1014				
.955	.0000										

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0207	.0667	.0870	.5722	1.3653	.9961	.5281	.4638		
.010								.9364			
.025	.0245			.2536							
.043				.1259							
.050	.1160				1.0116						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL12)

ALPHA (3) = 29.654 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3590										
.100					.860E	1.0633	.8270	.8882	.9156	.0182	
.176	.2402										
.200				.2908							
.300				.2740	.6996		.7148	.7709	.8254	.7607	
.318	.2612										
.450					.6497		.6580				
.459	.2858										
.497										.7104	
.600				.2667	.6225		.6318				
.601	.2838										-.0037
.602											
.652								.6357	.7251		
.698							.1870				
.700				.2339							
.718					.5790						
.743	.2528										
.751				.5200							
.784										.1406	
.797								.2441	.2991		
.809							.2464				
.814					.2603						
.831				.2418							
.849	.2091										
.900				.1780			.5866				
.950				.1410			.1552				
.955	.0174										

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0809	.0967	.1313	.6535	1.0192	1.0126	.4171	.3232		
.010								.8524			
.025	.0847			.3340							
.043				.1852							
.050	.1864				1.1190						
.075	.4769										
.100					1.0246	1.1903	1.1680	1.0836	1.1377	.0646	
.176	.3232										
.200				.5405							
.300				.6721	.9088		.9542	1.0201	1.0552	.9862	

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL12)

ALPHA (4) = 34.915 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP										
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500 1.0000
X/C										
.318	.4091									
.450					.8701		.9426			
.459	.6492									
.497										
.600				.6684	.8435		.8963		.9333	.0175
.601	.6877									
.602										
.652								.9067	.9533	
.698							.3195			
.700				.6286						
.718					.7902					
.743	.6538									
.751				.7291						
.784										
.797										
.809								.3933	.4500	.2141
.814										
.831				.4017			.4008			
.849	.5489			.3848						
.900				.3025			.8175			
.950				.2583			.2793			
.955	.0839									

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) WING LOWER SURFACE DEPENDENT VARIABLE CP										
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500 1.0000
X/C										
.000		.0878	.0998	.1463	.3650	.7698	.7626	.3057	.2192	
.010								.7800		
.025	.0986			.4093						
.043				.2100						
.050	.2255				1.1894					
.075	.5575									
.100					1.1491	1.3032	1.3796	1.2295	1.2641	.0791
.176	.4441									
.200				.8607						
.300				.8716	1.0799		1.1428	1.1924	1.2214	1.1345
.318	.7904									
.450					1.0548		1.1236			
.459	.8773									
.497										
.600				.8654	1.0229		1.0812		1.0760	.0182

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL12)

ALPHA (5) = 40.004 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
.601	.8812											
.602												
.652												
.698												
.700												
.718					.8176			.4334	1.0757	1.1228		
.743	.8396					.9632						
.751					.8985							
.784												
.797												
.809												
.814								.5254	.5127	.5729	.2908	
.831												
.849	.7375				.4988							
.900					.4101							
.950					.3534			1.0050				
.955	.0988							.3827				

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL13) (23 SEP 74)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT.  XMRP = .0000
LREF = 1290.3000 IN.     YMRP = .0000
BREF = 1290.3000 IN.     ZMRP = .0000
SCALE = .0100
```

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	-7.367
ELEV-R	=	-7.033	SPDBRK	=	.000
BDFLAP	=	-12.167	RN/L	=	6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

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TABULATED SOURCE DATA OH3B (ARC 3.5-198)

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ARC 3.5-198 OH3B 140C ORB WING LOWER SURFACE(LT)

(REZL13)

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0135	.0492	.0783	1.2055	1.6929	.6882	.5973	.5641		
.010								.9439			
.025	.0159			.4620							
.043				.3477							
.050	.0925				.9156						
.075	.2810										
.100					.7339	.8096	.5740	.7050	.7168	.0108	
.176	.3736										
.200				.4688							
.300				.4281	.5381		.4863	.5981	.6370	.6014	
.318	.4210										
.450					.4720		.4778				
.459	.4386										
.497										.5529	
.600				.3974	.4519		.4818				-.0091
.601	.4226										
.602									.5481		
.652								.4961			
.698							.1091				
.700				.3477							
.718					.4244						
.743	.3795										
.751				.0000						.1095	
.784									.2132		
.797								.1524			
.809							.1694				
.814					.1751						
.831				.0000							
.849	.3062										
.900				.1114			.4300				
.950				.0805			.0865				
.955	.0128										

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0141	.0560	.0693	.8480	1.3002	1.2178	.4735	.4010		
.010								.8700			
.025	.0167			.5276							
.043				.3715							
.050	.1135				.9833						

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL13)

ALPHA (3) = 29.753 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3676										
.100					.8762	1.0552	.8689	.9087	.9359	.0103	
.176	.5008										
.200				.5804							
.300				.5573	.7223		.7365	.8013	.8518	.7932	
.318	.5441										
.450					.6811		.7076				
.459	.5736										
.497										.7326	
.600				.5248	.6462		.6485				-.0117
.601	.5585										
.602									.7405		
.652								.6890			
.698							.1945				
.700				.4806							
.718					.6063						
.743	.5117										
.751				.5417						.1583	
.784									.3098		
.797								.2516			
.809							.2679				
.814					.2835						
.831				.2652							
.849	.4239										
.900				.1904			.5963				
.950				.1484			.1625				
.955	.0123										

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0176	.0590	.0757	.5065	.9349	.9523	.3592	.2624		
.010								.7787			
.025	.0230			.6089							
.043				.4445							
.050	.2811				1.0641						
.075	.4449										
.100					1.0030	1.1563	1.1284	1.0454	1.1027	.0143	
.176	.6296										
.200				.7351							
.300				.7200	.8835		.9256	.9872	1.0408	.9647	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL13)

ALPHA (4) = 34.912 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6859										
.450					.8459		.8921				
.459	.7361										
.497										.9153	
.600				.6918	.8085		.8478				-.0126
.601	.7351										
.602									.9291		
.652								.8584			
.698							.2802				
.700				.6397							
.718					.7597						
.743	.6776										
.751				.6828						.2396	
.784									.4245		
.797								.3595			
.809							.3699				
.814					.3729						
.831				.3541							
.849	.5757										
.900				.2681			.7685				
.950				.2153			.2470				
.955	.0173										

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0574	.0765	.0949	.2624	.7152	.6979	.2657	.1840		
.010								.7390			
.025	.0609			.6877							
.043				.4734							
.050	.3051				1.1423						
.075	.5374										
.100					1.1471	1.2833	1.3418	1.2126	1.2441	.0510	
.176	.7566										
.200				.8766							
.300				.8792	1.0693		1.1397	1.1812	1.2316	1.1504	
.318	.8276										
.450					1.0459		1.1045				
.459	.8868										
.497										1.0976	
.600				.8629	1.0152		1.0529				-.0001

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1140

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL14)

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0150	.0525	.0548	.8520	1.2825	1.1708	.4988	.4310		
.010								.9057			
.025	.0166			.1762							
.043				.0676							
.050	.0771				.9862						
.075	.3424										
.100					.8480	1.0441	.8341	.8700	.8994	.0138	
.176	.1671										
.200				.2047							
.300				.1987	.6856		.6996	.7652	.8173	.7494	
.318	.1863										
.450					.6449		.6649				
.459	.2074										
.497										.6985	
.600				.1861	.6117		.6185				- .0061
.601	.2012										
.602									.7111		
.652								.6675			
.698							.0165				
.700				.1633							
.718					.5675						
.743	.1745										
.751				.5253						.0165	
.784									.0296		
.797								.0238			
.809											
.814					.0218						
.831				.0192							
.849	.1421										
.900				-.0125			.5754				
.950				-.0171			.0117				
.955	.0142										

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0280	.0593	.0601	.4265	.7000	.7080	.2671	.1705		
.010								.7251			
.025	.0323			.2670							
.043				.0841							
.050	.1235				1.1424						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL14)

ALPHA (3) = 39.949 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.5119										
.100					1.1021	1.2750	1.3327	1.1750	1.2005	.0261	
.176	.2920										
.200					.7891						
.300				.8416	1.0385		1.0978	1.1380	1.1722	1.0828	
.318	.7190										
.450				1.0311			1.0724				
.459	.8397										
.497										1.0348	
.600				.8225	.9906		1.0324				-.0201
.601	.8511										
.602											
.652								1.0315	1.0655		
.698							.0415				
.700				.7859							
.718					.9217						
.743	.8061										
.751				.8473						.0262	
.784									.0605		
.797								.0458			
.809							.0255				
.814					.0546						
.831				.0574							
.849	.7022										
.900				.0069			.9560				
.950				-.0043			.0311				
.955	.0317										

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PAGE 1142

(REZL15) (23 SEP 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	-40.117
ELEV-R	=	-39.717	SPDBRK	=	.000
BOFLAP	=	.000	RN/L	=	6.500

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0105	.0452	.0975	1.3978	1.6814	.8375	.7061	.6968	
.010								.9737		
.025	.0141			.3881						
.043				.2921						
.050	.0648				.2583					
.075	.1200									
.100					.5788	.4410	.4880	.5303	.5237	.0074
.176	.1532									
.200				.3414						
.300				.2896	.3998		.3848	.4381	.4661	.4476
.318	.2419									
.450					.3331		.3727			
.459	.2763									
.497										
.600				.2688	.3248		.3557			.4134
.601	.2676									.0103
.602										
.652								.3573	.4044	
.698										
.700				.2381			.0039			
.718					.2955					
.743	.2371									
.751				.2592						
.784										
.797										
.809										
.814										
.831					.0006		- .0114	.0037		
.849	.1811			.0011					.0143	.0074
.900										
.950				-.0099			.3068			
.955	.0118			-.0097			.0032			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL15)

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0152	.0540	.0734	.9478	1.3799	1.0113	.4855	.4212		
.010								.8886			
.025	.0182			.5323							
.043				.3744							
.050	.1145				.9941						
.075	.3564										
.100					.8545	1.0448	.8125	.8844	.9047	.0126	
.176	.4931										
.200				.5838							
.300				.5497	.6929		.7008	.7721	.8165	.7589	
.318	.5322										
.450					.6468		.6427				
.459	.5677										
.497										.7034	
.600				.5213	.6112		.6130				.0016
.601	.5512										
.602									.6952		
.652								.6611			
.698							.0118				
.700				.4692							
.718					.5669						
.743	.5072										
.751				.5030						.0116	
.784									.0228		
.797								.0183			
.809											
.814					.0192						
.831				.0162							
.849	.4193										
.900				-.0063			.5649				
.950				-.0119			.0097				
.955	.0151										

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0657	.0789	.1008	.5479	.7058	.7000	.2695	.1808		
.010								.7360			
.025	.0694			.6967							
.043				.4731							
.050	.1870				1.1632						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

ALPHA (3) = 40.081 MACH (1) = 7.320

DEPENDENT VARIABLE CP

[illegible]

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(REZL 16) (11 NOV 75)

PARAMETRIC DATA

BETA	=	-1.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

DEPENDENT VARIABLE CP

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL16)

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0000	.0552	.1906	.9594	1.3955	.7972	.5214	.4709		
.010								.0000			
.025	.0245			.6296							
.043				.7108							
.050	.2751				1.0343						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL16)

ALPHA (3) = 29.720 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3595										
.100											
.176	.5725				.8882	1.0724	.8133	.8912	.9090	.0100	
.200				.6826							
.300				.6380	.7068		.6823	.7889	.0000	.0000	
.318	.6183										
.450					.6490		.6485				
.459	.0000										
.497										.0000	
.600				.6022	.6212		.6396				-.0175
.601	.0000										
.602									.0000		
.652								.5858			
.698							.3449				
.700				.5562							
.718					.5936						
.743	.5778										
.751				.5290						.4634	
.784									.4846		
.797								.4169			
.809							.4048				
.814					.4100						
.831				.4055							
.849	.4898										
.900				.3130			.6002				
.950				.2501			.2877				
.955	.0000										

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0234	.0665	.1854	.7345	1.0106	.9901	.3940	.3186		
.010								.8447			
.025	.0389			.7038							
.043				.8187							
.050	.3431				1.1050						
.075	.4512										
.100					1.0253	1.1835	1.1186	1.0728	1.0967	.0251	
.176	.7190										
.200				.8412							
.300				.8060	.8932		.9304	1.0026	1.0352	.9548	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL16)

ALPHA (4) = 34.753 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.7790										
.450					.8484		.9162				
.459	.8189										
.497											
.600				.7832	.8234		.8566			.8836	
.601	.8007										-.0189
.602									.9228		
.652								.6161			
.698							.5178				
.700				.7271							
.718					.7709						
.743	.7568										
.751				.7048						.5998	
.784									.6724		
.797							.6025				
.809							.6101				
.814					.6193						
.831				.5628							
.849	.6521										
.900				.4728			.7925				
.950				.4041			.4435				
.955	.0199										

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0247	.0700	.1609	.4033	.3606	.3468	.1756	.1053		
.010								.6784			
.025	.0533			.8869							
.043				1.0704							
.050	.4769				1.2520						
.075	.6745										
.100					1.3345	1.4572	1.5097	1.4487	1.2671	.0865	
.176	1.0731										
.200				1.2632							
.300				1.2858	1.3625		1.4218	1.4686	1.2913	1.2832	
.318	1.1760				1.3572		1.4060				
.450											
.459	1.2586										
.497											
.600				1.3301	1.3289		1.3482			1.2216	-.0145

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

(REZL 16)

ALPHA (5) = 48.717 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

0	1	2	3	4	5	6	7	8	9
.601	1.2775								

.602

.652

.698

.700

.718

.743

.751

.784
707

.797
809

.809
814

.814
831

.831
.849

.849
.900

.950

.955

1555

1.2775

1.2619

1.1492

.0656

.0656

1.2569

1.1779

.9951

.8464

.7788

1.2478

1.0478

.9113

1.0306

1.2703

.8082

.5833

.9933

1.2388

1.0453

.9164

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL17) (26 JUL 74)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT.  XMRP = .0000
LREF = 1290.3000 IN.      YMRP = .0000
BREF = 1290.3000 IN.      ZMRP = .0000
SCALE = .0100
```

PARAMETRIC DATA

BETA	=	-1.000	ELEV-L	=	5.050
ELEV-R	=	4.100	SPDBRK	=	.000
BDFLAP	=	15.667	FVL	=	3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(REZL17)

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0000	.0573	.0000	.9411	1.3586	.8608	.5199	.4662		
.010								.0000			
.025	.0307			.0000							
.043				.0000							
.050	.0000				.0000						
.075	.0000										
.100					.8806	1.0664	.8211	.8976	.0000	.0000	
.176	.0000										
.200				.0000							
.300				.0000	.7019		.6985	.7916	.0000	.0000	
.318	.0000										
.450					.6550		.6580				
.459	.0000										
.497										.0000	
.600				.0000	.6277		.6465				-.0208
.601	.0000										
.602									.0000		
.652								.4542			
.698							.5640				
.700				.0000							
.718					.5868						
.743	.0000										
.751				.5195						.0000	
.784									.0000		
.797								.6584			
.809							.6661				
.814					.6539						
.831				.5651							
.849	.0000										
.900				.5003			.5958				
.950				.4225			.4758				
.955	.0000										

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0181	.0645	.1722	.5889	.7531	.7347	.2698	.1949		
.010								.7442			
.025	.0413			.7745							
.043				.9112							
.050	.3913				1.1756						

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(REZL17)

DEPENDENT VARIABLE CP

X/C

.075	.5257						
.100			1.1358	1.2794	1.3310	1.1896	1.2153 .0259
.176	.8475						
.200		.9941					
.300		.9796	1.0549		1.1019	1.1587	1.1831 1.0937
.318	.9215						
.450			1.0277		1.0912		
.459	.9743						
.497							1.0213
.600		.9690	.9948		1.0358		- .0182
.601	.9787						
.602							
.652							
.698						.4174	1.0745
.700					.8869		
.718		.9181					
.743	.9361		.9261				
.751		.8557					.9734
.784							
.797							
.809						1.0101	1.0983
.814					1.0188		
.831			1.0095				
.849	.8265	.9782					
.900		.8471			.9566		
.950		.7275			.7709		
.955	.0309						

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL18) (23 SEP 74)

PARAMETRIC DATA

BETA	=	-1.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	.000
BOFLAP	=	.000	RN/L	=	1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL18)

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0287	.0709	.2687	1.4895	.9014	.8186	.7525	.7304		
.010								.9976			
.025	.0431			.4768							
.043				.5064							
.050	.1686				.8844						
.075	.2007										
.100					.5048	.4195	.4842	.4954	.4786	.0426	
.176	.3044										
.200				.3896							
.300				.3256	.3047		.3532	.4107	.4139	.3930	
.318	.3222										
.450					.2889		.3337				
.459	.3308										
.497										.3643	
.600				.2783	.2788		.3092				.0026
.601	.3073										
.602									.3764		
.652								.3188			
.698							.1355				
.700				.2499							
.718					.2494						
.743	.2774										
.751				.2273						.2275	
.784									.2597		
.797								.1995			
.809							.1790				
.814					.1736						
.831				.1725							
.849	.2232										
.900				.1185			.2710				
.950				.0932			.1044				
.955	.0486										

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0272	.0762	.2331	1.2767	1.1914	.7529	.6430	.6249		
.010								1.0023			
.025	.0353			.5496							
.043				.6076							
.050	.2191				.9902						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL18)

ALPHA (3) = 24.801 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.2809										
.100					.7762	.5915	.6345	.6852	.6922	.0182	
.176	.4333										
.200				.5262							
.300				.4687	.4727		.5090	.5662	.6112	.5689	
.318	.4624										
.450					.4590		.4942				
.459	.4750										
.497										.5337	
.600				.4178	.4356		.4706				-.0036
.601	.4444										
.602									.5359		
.650								.4794			
.696							.2318				
.700				.3805							
.718					.3957						
.743	.4096										
.751				.3483						.3409	
.784									.3758		
.797								.3023			
.809							.2913				
.814					.2849						
.831				.2776							
.849	.3380										
.900				.2074			.4242				
.950				.1648			.1807				
.955	.0115										

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0319	.0796	.2151	1.0264	1.5391	.6311	.5372	.5031		
.010								.9556			
.025	.0421			.6240							
.043				.7004							
.050	.2736				1.0408						
.075	.3552										
.100					.8948	.8475	.7628	.8634	.8803	.0241	
.176	.5596										
.200				.6655							
.300				.6131	.6433		.6562	.7379	.7889	.7324	

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL18)

ALPHA (4) = 29.651 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6005										
.450					.6137		.6447				
.459	.6226										
.497										.6820	
.601				.5671	.5911		.6266				-.0038
.602	.5885										
.652								.6392	.6825		
.698							.3349				
.700				.5279							
.718					.5441						
.743	.5533										
.751				.4849						.4485	
.784									.4938		
.797								.4173			
.809							.4149				
.814					.4051						
.831				.3907							
.849	.4646										
.900				.3055			.5738				
.950				.2447			.2706				
.955	.0203										

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0350	.0828	.2056	.7266	1.1515	.8315	.4077	.3519		
.010								.8636			
.025	.0439			.7030							
.043				.8115							
.050	.3315				1.1189						
.075	.4353										
.100					1.0055	1.1424	1.0099	1.0287	1.0590	.0332	
.176	.7044										
.200				.8206							
.300				.7785	.8251		.8612	.9264	.9692	.8946	
.318	.7539										
.450					.7857		.8291				
.459	.7881										
.497										.8320	
.600				.7499	.7705		.7973				-.0048

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL18)

ALPHA (5) = 34.915 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
	.601	.7646										
	.602									.8636		
	.652								.8116			
	.698							.4659				
	.700				.6999							
	.718					.7151						
	.743	.7175										
	.751				.6480						.5779	
	.784									.6327		
	.797								.5593			
	.809							.5595				
	.814					.5559						
	.831				.5281							
	.849	.6181										
	.900				.4216			.7295				
	.950				.3553			.3923				
	.955	.0317										

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
	.000		.0479	.0935	.2058	.7154	.8405	.7955	.3026	.2526		
	.010								.7747			
	.025	.0612			.7767							
	.043				.9125							
	.050	.4008				1.1793						
	.075	.5292										
	.100					1.1374	1.2867	1.2529	1.1855	1.2180	.0461	
	.176	.8538										
	.200				.9817							
	.300				.9660	1.0207		1.0748	1.1354	1.1744	1.0673	
	.318	.9162										
	.450					.9956		1.0554				
	.459	.9780										
	.497										1.0095	
	.600				.9462	.9625		1.0055				-.0001
	.601	.9578										
	.602											
	.652								1.0265	1.0697		
	.698							.6251				
	.700				.8898							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL18)

ALPHA (7) = 44.248 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.809

.814

.831

.849

.900

.950

.955

.0159

.0671

.8574

.7262

.6375

.8816

1.1086

.6767

.8861

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL19)

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0253	.0609	.2021	1.0306	1.5605	.6526	.5817	.5656		
.010								.9073			
.025	.0346			.4914							
.043				.5419							
.050	.1918				.8734						
.075	.2392										
.100					.2796	.5576	.5543	.6256	.6366	.0137	
.176	.3786										
.200				.4811							
.300				.4277	.4560		.4475	.5286	.5499	.5244	
.318	.4126										
.450					.4145		.4410				
.459	.4236										
.497										.4845	
.600				.3892	.4046		.4252				-.0039
.601	.4020										
.602									.4761		
.652								.4349			
.698							.3513				
.700				.3566							
.718					.3631						
.743	.3813										
.751				.3085						.4435	
.784									.4855		
.797								.4279			
.809							.4290				
.814					.3939						
.831				.3603							
.849	.3133										
.900				.3018			.3802				
.950				.2480			.2897				
.955	.0184										

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0286	.0710	.1888	.8810	1.3266	.6979	.4880	.4596		
.010								.8713			
.025	.0384			.5609							
.043				.6382							
.050	.2443				.9414						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1162

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL19)

ALPHA (3) = 29.743 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3155										
.100					.2856	.8907	.6988	.8187	.8363	.0215	
.176	.5077										
.200				.6205							
.300				.5738	.6065		.6105	.7062	.7346	.6835	
.318	.5509										
.450				.5765			.5895				
.459	.5624										
.497										.6278	
.600				.5394	.5517		.5655				-.0048
.601	.5454										
.602									.6462		
.652								.6047			
.698							.4929				
.700				.4956							
.718					.5077						
.743	.5133										
.751				.4570						.5914	
.784									.6476		
.797								.5911			
.809							.5742				
.814					.5561						
.831				.5080							
.849	.4366										
.900				.4356			.5325				
.950				.3690			.4284				
.955	.0230										

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0313	.0743	.1791	.6197	1.0041	.9294	.3714	.3201		
.010								.7822			
.025	.0428			.6275							
.043				.7247							
.050	.3035				.9987						
.075	.3894										
.100					.1822	1.0992	.9669	.9572	.9998	.0224	
.176	.6477										
.200				.7613							
.300				.7172	.7675		.8140	.8794	.9122	.8475	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL19)

ALPHA (4) = 34.884 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6992										
.450					.7305		.7779				
.459	.7132										
.497										.7780	
.600				.6828	.7096		.7409				-.0046
.601	.6901										
.602									.8024		
.652							.7677				
.698							.6449				
.700				.6373							
.718					.6589						
.743	.6662										
.751				.5734						.7420	
.784									.8456		
.797							.7661				
.809							.7594				
.814					.7291						
.831				.6486							
.849	.5780										
.900				.5797			.7003				
.950				.4740			.5617				
.955	.0220										

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0422	.0817	.1757	.5664	.7173	.6978	.2844	.2297		
.010								.7118			
.025	.0506			.7049							
.043				.8244							
.050	.3602				1.0614						
.075	.4795										
.100					.2271	1.1764	1.2121	1.1073	1.1384	.0471	
.176	.7753										
.200				.8968							
.300				.8841	.9303		1.0064	1.0719	1.0956	.9968	
.318	.8401						.9229	.9849			
.450											
.459	.8918										
.497										.9579	
.600				.8622	.9007		.9441				-.0036

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL19)

ALPHA (5) = 39.975 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.601	.8686										
.602											
.652											
.698								.9827	1.0079		
.700				.8197			.8195				
.718					.8438						
.743	.8324										
.751				.7855						.9073	
.784									1.0195		
.797								.9473			
.809							.9560				
.814					.9144						
.831				.8585							
.849	.7388										
.900				.7543			.9089				
.950				.6642			.7587				
.955	.0414										

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0444	.0817	.1739	.5891	.5670	.5496	.2319	.1756		
.010								.6862			
.025	.0604			.7606							
.043				.9061							
.050	.3889				1.1240						
.075	.5238										
.100					.1766	1.2499	1.3015	1.2174	1.2192	.0731	
.176	.8802										
.200				1.0138							
.300				1.0093	1.0666		1.1488	1.1934	1.2138	1.1119	
.318	.9600										
.450					1.0644		1.1332				
.459	1.0179										
.497											
.600				1.0027	1.0574		1.0910			1.0690	
.601	1.0133										-.0049
.602											
.652								1.0919	1.1429		
.698							.9816				
.700				.9451							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL20)

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0208	.0554	.1908	.9983	1.5853	.6552	.5857	.5569		
.010								.9210			
.025	.0249			.4833							
.043				.5344							
.050	.1873				.8559						
.075	.2380										
.100					.6803	.5534	.5413	.6234	.6332	.0062	
.176	.3738										
.200				.4763							
.300				.4229	.4463		.4521	.5120	.5612	.5218	
.318	.4079										
.450					.4097		.4397				
.459	.4196										
.497										.4810	
.600				.3799	.3946		.4243				-.0058
.601	.3941										
.602											
.652								.4332	.4785		
.698							.2031				
.700				.3510							
.718					.3523						
.743	.3707										
.751				.3110						.3056	
.784									.3337		
.797								.2639			
.809							.2577				
.814					.2567						
.831				.2411							
.849	.3053										
.900				.1807			.3824				
.950				.1457			.1569				
.955	.0047										

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0363	.0799	.2024	.9752	1.4868	.6656	.5187	.4864		
.010								.9323			
.025	.0435			.6071							
.043				.6893							
.050	.2610										

1.0164

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL20)

ALPHA (3) = 29.725 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3465										
.100					.8737	.9117	.7503	.8527	.8878	.0261	
.176	.5482										
.200				.6625							
.300				.6162	.6550		.6451	.7436	.7845	.7351	
.318	.6011										
.450					.6057		.6393				
.459	.6223										
.497										.6824	
.600				.5698	.5880		.6133				- .0012
.601	.5989										
.602									.6838		
.652								.6383			
.698							.3373				
.700				.5269							
.718					.5494						
.743	.5639										
.751				.5132						.4510	
.784											
.797								.4177	.4920		
.809							.4182				
.814					.4141						
.831				.3918							
.849	.4714										
.900				.3105			.5668				
.950				.2508			.2793				
.955	.0269										

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0370	.0838	.1977	.7178	1.1081	.9458	.3997	.3419		
.010								.8452			
.025	.0461			.6856							
.043				.7947							
.050	.3196				1.0860						
.075	.4199										
.100					.9744	1.1464	1.0148	1.0183	1.0555	.0235	
.176	.6889										
.200				.8151							
.300				.7731	.8261		.8640	.9234	.9665	.9022	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL20)

ALPHA (4) = 34.881 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.7508										
.450				.7891		.8285					
.459	.7916										
.497										.8438	
.600			.7412	.7600		.7922					-.0013
.601	.7672										
.602									.8643		
.652							.0000				
.698						.4612					
.700			.6983								
.718				.7225							
.743	.7184										
.751			.6663							.5852	
.784									.6276		
.797							.5584				
.809						.5537					
.814				.5540							
.831			.5239								
.849	.6202										
.900			.4191			.7341					
.950			.3491			.3921					
.955	.0231										

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0461	.0921	.1925	.5925	.7913	.7641	.2908	.2405		
.010								.7601			
.025	.0580			.7631							
.043			.8893								
.050	.3800				1.1594						
.075	.5062										
.100					1.1167	1.2476	1.2663	1.1802	1.2061	.0407	
.176	.8293										
.200			.9862								
.300			.9601	1.0208		1.0712	1.1318	1.1648	1.0799		
.318	.9089				1.0008	1.0533					
.450											
.459	.9642										
.497										1.0177	
.600			.9419	.9681		1.0101					-.0012

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL20)

ALPHA (5) = 39.932 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.601	.9527										
.602									1.0711		
.652								1.0246			
.698							.6303				
.700				.8958							
.718					.9190						
.743	.9087										
.751				.8657						.7314	
.784									.8132		
.797								.7366			
.809							.7379				
.814					.7290						
.831				.6946							
.849	.8025										
.900				.5830			.9505				
.950				.5047			.5494				
.955	.0486										

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0463	.0904	.1848	.5264	.6043	.5838	.2391	.1804		
.010								.7221			
.025	.0649			.8118							
.043				.9609							
.050	.4169				1.2035						
.075	.5632										
.100					1.2014	1.3126	1.3647	1.2859	1.3010	.0635	
.176	.9313										
.200				1.0974							
.300				1.0912	1.1422		1.2071	1.2695	1.2897	1.1876	
.318	1.0262				1.1382		1.1962				
.450											
.459	1.0923										
.497										1.1339	
.600				1.0810	1.0916		1.1506				-.0004
.601	1.0862										
.602									1.1964		
.652								1.1509			
.698							.7454				
.700				1.0315							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL20)

ALPHA (6) = 44.136 MACH (1) = 10.290

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.718

.743

.751

.784

.797

.809

.814

.831

.849

.900

.950

.955

1.0373

1.0060

.8164

.6939

.6047

1.0456

.8493

1.0761

.6500

.8618

.8518

.9206

.8324

.0663

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(REZL30)

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000		
.010								.0000			
.025	.0000			.0000							
.043				.0000							
.050	.0000				.0000						
.075	.0000										
.100					.0000	.0000	.0000	.0000	.0000	.0000	
.176	.0000										
.200				.0000							
.300				.0000	.0000		.0000	.0000	.0000	.0000	
.318	.0000										
.450					.0000		.0000				
.459	.0000										
.497										.0000	
.600				.0000	.0000		.0000				.0000
.601	.0000										
.602									.0000		
.652								.0000			
.698							.0000				
.700				.0000							
.718					.0000						
.743	.0000										
.751				.0000						.0000	
.784									.0000		
.797							.0000				
.809						.0000					
.814					.0000						
.831				.0000							
.849	.0000										
.900				.0000			.0000				
.950				.0000			.0000				
.955	.0000										

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0208	.0498	.1776	1.0907	1.4879	.7289	.6112	.5992		
.010								.9506			
.025	.0259			.5172							
.043				.5712							
.050	.2095				.8905						

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL30)

ALPHA (3) = 35.000 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.2674										
.100											
.176	.4237				.7034	.8871	.5800	.7185	.7269	.0194	
.200				.5186							
.300				.4700	.5286		.4956	.6046	.6377	.9190	
.318	.4638										
.450					.4920		.8672				
.459	.4803										
.497										.8693	
.600				.4313	.4555		.4741				
.601	.4550										-.0168
.602											
.652								.5025	.5459		
.698							.4165				
.700				.3934							
.718					.4266						
.743	.4225										
.751				.3757							
.784										.1871	
.797									.5453		
.809							.4729				
.814							.4994				
.831				.4147	.4791						
.849	.3463										
.900				.3538			.4373				
.950				.2965			.3572				
.955	.0166										

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0372	.0797	.1821	.6629	.7184	.7239	.3449	.2704		
.010								.7591			
.025	.0523			.7717							
.043				.9121							
.050	.3985				1.1499						
.075	.5604										
.100					1.1216	1.1128	1.1497	1.0591	1.1362	.0643	
.176	.8616										
.200				1.0018							
.300				.9910	1.0612		1.0746	1.0626	1.1331	1.0694	

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL30)

ALPHA (4) = 39.891 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.9360										
.450					1.0490		1.0401				
.459	.9956										
.497											
.600										1.0376	
.601	.9882			.9884	1.0149		1.0000				-.0049
.602											
.652									1.0751		
.698							.9395	.9319			
.700				.7812							
.718					.9551						
.743	.9556										
.751				.9026							
.784										1.0230	
.797									1.0671		
.809							.9936	.9820			
.814					1.0330						
.831				.9935							
.849	.8491										
.900				.8990			.9459				
.950				.7920			.8475				
.955	.0468										

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0381	.0793	.1737	.7112	.5627	.5572	.3544	.2924		
.010								.7272			
.025	.0583			.8324							
.043				.9854							
.050	.4345				1.1995						
.075	.6291										
.100											
.176	.9642				1.2166	1.1700	1.2150	1.1455	1.2244	.0989	
.200				1.1261							
.300				1.1383	1.2040		1.1789	1.1671	1.2362	1.1683	
.318	1.0530										
.450					1.1928		1.1540				
.459	1.1256										
.497											
.600				1.1426	1.1620		1.1195		1.1467		-.0060

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL30)

ALPHA (5) = 44.091 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/8	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.601	1.1350
.602	
.652	
.698	
.700	
.718	
.743	1.1096
.751	
.784	
.797	
.809	
.814	
.831	
.849	.9940
.900	
.950	
.955	.0825

.7935

1.0919

1.0275

1.2288

1.2014

1.0483

.9290

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0271	.0680	.1506	.7780	.4308	.4060	.3831	.3405
.010								.6841	
.025	.0533			.8572					
.043				1.0382					
.050	.4603				1.2070				
.075	.6909								
.100					1.2902	1.2015	1.2441	1.2180	1.3005
.176	1.0536								.0989
.200				1.2419					
.300				1.2697	1.3195		1.2583	1.2660	1.3293
.318	1.1656								1.2353
.450					1.3096		1.2414		
.459	1.2528								
.497									
.600				1.2794	1.2941		1.2076		1.2061
.601	1.2657								
.602									
.652								1.2719	
.698							1.2052		
.700				1.2429			1.1449		

-.0130

1.2719

1.2062

1.1449

1.2429

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL32) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0055	.0309	.2012	1.3315	1.8419	.7928	.7611	.7658		
.010								.8990			
.025	.0261			.3389							
.043				.3534							
.050	.1133				.6553						
.075	.1330										
.100					.4119	.3178	.5011	.3613	.3434	.0213	
.176	.1864										
.200				.2626							
.300				.2191	.2507		.2230	.2899	.2991	.2714	
.318	.1905										
.450					.2296		.2153				
.459	.2035										
.497											
.600				.1843	.1911		.2125			.2554	
.601	.1937										.0144
.602											
.652								.2266	.2617		
.698							.0022				
.700				.1624							
.718					.1655						
.743	.1779										
.751				.1462						.0337	
.784									.0028		
.797											
.809											
.814											
.831											
.849	.1404			-.0043							
.900											
.950				-.0136			.1612				
.955	.0240			-.0175			-.0025				

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(REZL32)

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0092	.0429	.2084	1.3088	1.9826	.7871	.7216	.7099		
.010								.9570			
.025	.0249			.4390							
.043				.4755							
.050	.1604				.7843						
.075	.1953										
.100					.5560	.4329	.4580	.5134	.5124	.0077	
.176	.2992										
.200				.3821							
.300				.3271	.3770		.3564	.4284	.4469	.4158	
.318	.3214										
.450					.3193		.3627				
.459	.3332										
.497										.3890	
.600				.2904	.3067		.3399				.0070
.601	.3143										
.602									.3905		
.652								.4239			
.698							.0005				
.700				.4985							
.718					.2811						
.743	.2845										
.751				.2361						.0112	
.784									.0149		
.797								.0068			
.809											
.814											
.831											
.849	.2241										
.900											
.950											
.955	.0139										

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0161	.0481	.1723	1.0548	1.5234	.7309	.6081	.6333		
.010								.9058			
.025	.0216			.4947							
.043				.5619							
.050	.2037						.8796				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL32)

ALPHA (3) = 24.445 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.2651										
.100					.6965	.8672	.5734	.7082	.7110	.0119	
.176	.4144										
.200				.5106							
.300				.4636	.5301		.5009	.5948	.6255	.5848	
.318	.4492										
.450					.4926		.4621				
.459	.4692										
.497										.5443	
.600				.4265	.4491		.4630				.0064
.601	.4462										
.602									.5332		
.652								.4959			
.698							.0157				
.700				.3888							
.718					.4223						
.743	.4137										
.751				.3633						.0359	
.784											
.797								.0203	.0295		
.809											
.814					.0145						
.831				.0182							
.849	.3401										
.900				-.0110			.4302				
.950				-.0154			.0079				
.955	.0123										

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0134	.0551	.1806	.9044	1.3053	1.0436	.5050	.4594		
.010								.9206			
.025	.0302			.6070							
.043				.6917							
.050	.2629				.9968						
.075	.3409										
.100											
.176	.5591				.8475	1.0266	.8139	.8874	.9049	.0163	
.200				.6692							
.300				.6192	.6766		.6931	.7801	.8162	.7597	

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL32)

ALPHA (4) = 29.707 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6133										
.450				.6375		.6676					
.459	.6369										
.497										.6990	
.600			.5848	.6075		.6162					-.0007
.601	.6160										
.602											
.652								.5375	.7023		
.698						.0156					
.700			.6370								
.718				.5661							
.743	.5706										
.751			.5008							.0335	
.784									.0322		
.797								.0194			
.809							-.0075				
.814				.0232							
.831			.0173								
.849	.4793										
.900			-.0132			.5759					
.950			-.0181			.0128					
.955	.0199										

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0174	.0580	.1698	.6064	.9914	.9772	.3803	.2980		
.010								.8190			
.025	.0320			.6805							
.043			.7976								
.050	.3212			1.0723							
.075	.4243										
.100					.9763	1.1367	1.0977	1.0392	1.0520	.0183	
.176	.6925										
.200			.8186								
.300		.7889	.8493		.8918	.9684	1.0037	.9141			
.318	.7569			.8178	.8820						
.450											
.459	.8038										
.497									.8574		
.600			.7626	.7825		.8291					-.0109

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL32)

ALPHA (5) = 34.863 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.601	.7862										
.602									.8774		
.652								.4082			
.698							.0256				
.700				.7237							
.718					.7317						
.743	.7456										
.751				.6535						.0370	
.784									.0409		
.797								.0180			
.809											
.814					.0374						
.831				.0322							
.849	.6413										
.900				.0155			.7535				
.950				-.0136			.0172				
.955	.0182										

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0197	.0634	.1598	.5114	.6992	.6820	.2741	.2066		
.010								.7273			
.025	.0389			.7339							
.043				.8807							
.050	.3707				1.1342						
.075	.5120										
.100					1.1138	1.2446	1.3237	1.1781	1.1957	.0268	
.176	.8227										
.200				.9714							
.300				.9583	1.0524		1.1031	1.1586	1.1763	1.1009	
.318	.8996										
.450					1.0161		1.0677				
.459	.9638										
.497											
.600				.9511	.9951		1.0322			1.0276	
.601	.9647										-.0183
.602											
.652								1.0177	1.0613		
.698							.0477				
.700				.9042							

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(REZL32)

ALPHA (6) = 39.964 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.718					.9214						
.743	.9231										
.751				.8529							
.784									.0664	.0720	
.797								.0572			
.809							.0312				
.814					.0627						
.831				.0588							
.849	.8119										
.900				.0106			.9628				
.950				.0027			.0434				
.955	.0307										

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0286	.0674	.1567	.3922	.4918	.4880	.2301	.1443		
.010								.7197			
.025	.0452			.7880							
.043				.9524							
.050	.4159				1.1630						
.075	.5757										
.100					1.1971	1.3108	1.3895	1.3149	1.3056	.0466	
.176	.9360										
.200				1.0933							
.300				1.0977	1.1870		1.2520	1.3087	1.3176	1.2171	
.318	1.0247										
.450					1.1710		1.2312				
.459	1.0951										
.497										1.1497	
.600				1.0969	1.1463		1.1883				-.0192
.601	1.1001										
.602											
.652									1.2107		
.698							.0687	1.1649			
.700				1.0572							
.718					1.0792						
.743	1.0715										
.751				1.0183						.0947	
.784									.0946		
.797								.0774			

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL32)

ALPHA (7) = 44.152 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.809							.0521				
.814					.0829						
.831				.0780							
.849	.9572										
.900				.0269			1.1204				
.950				.0202			.0597				
.955	.0490										

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0912	.0000	.0000	.2375	.3527	.3226	.1672	.0903		
.010								.6792			
.025	.1277			.8321							
.043				.9302							
.050	.4770				1.2430						
.075	.6287										
.100					1.3177	1.4377	.0000	1.4089	1.3654	.0000	
.176	1.0238										
.200				1.0939							
.300				1.1256	.0000		.0000	1.4483	.0000	1.2943	
.318	1.0850										
.450					.0000		.0000				
.459	.0000										
.497										1.2256	
.600				1.1097	1.2956		.0000				-.0176
.601	1.1309										
.602											
.652								1.2942	1.3362		
.698							.0856				
.700				1.0495							
.718					1.2216						
.743	1.0949										
.751				1.1657							
.784										.0000	
.797											
.809							.0765	.0996			
.814					.0000						
.831				.0922							
.849	.0000										
.900				.0494			1.2489				

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL32)

ALPHA (8) = 50.000 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.950											
.955	.0842			.0376			.0763				

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL33) (05 AUG 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	-40.117
ELEV-R	=	-39.717	SPDBRK	=	.000
BOFLAP	=	.000	RN/L	=	6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL33)

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000	.0093	.0459	.1685	.6728	.8770	.6487	.5113	.5666		
.010							.9124			
.025	.0210		.5146							
.043			.5790							
.050	.2142			.9261						
.075	.3087									
.100				.6972	.7511	.5484	.5814	.6691	.0277	
.170	.4340									
.200			.5385							
.300			.4898	.5604		.5023	.5566	.6265	.5998	
.318	.4777									
.450				.5089		.4733				
.459	.5049									
.497									.5594	
.600			.4500	.4799		.4404				.0022
.601	.4780									
.602								.5543		
.652							.4974			
.698						.2855				
.700			.4135							
.718				.4513						
.743	.4394									
.751			.4048						.2638	
.784								.1503		
.797							.2230			
.809						.2811				
.814				.1348						
.831			.1580							
.849	.3617									
.900			.1574			.4023				
.950			.1597			.2809				
.955	.0106									

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000	.1737	.0553	.2452	.6774	.9359	.9028	.3624	.2706		
.010							.8015			
.025	.1717		.5698							
.043			.5932							
.050	.3573			1.0824						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL33)

ALPHA (3) = 31.394 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.4681										
.100					.9972	1.1458	.4932	1.0244	1.0664	.0188	
.176	.6407										
.200				.6600							
.300				.6670	.8803		.9002	1.0003	1.0287	.9566	
.318	.6722										
.450					.8345		.8743				
.459	.6950										
.497										.8879	
.600				.6419	.8018		.8447				-.0137
.601	.6808										
.602									.9180		
.652							.0245	.8632			
.698											
.700				.5928							
.718					.7296						
.743	.6432										
.751				.6740						.0535	
.784									.0374		
.797								.0337			
.809							.0135				
.814					.0330						
.831				.0288							
.849	.5705										
.900				.0014			.7587				
.950				-.0082			.0207				
.955	.0435										

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.6283

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0160	.0592	.1570	.5134	.7113	.6993	.4125	.3953		
.010								.7258			
.025	.0361			.7583							
.043				.9161							
.050	.3769				1.1196						
.075	.5800										
.100					1.1268	.9695	.9842	.8504	.9619	.0842	
.176	.8413										
.200				1.0081							
.300				1.0056	1.0595		.9536	.8614	.9634	.9176	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL33)

ALPHA (4) = 39.927 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.9318										
.450					.9300		.9147				
.459	.9974										
.497										.9093	
.600				.9892	.9439		.8514				-.0169
.601	1.0005										
.602									.9048		
.652								.7404			
.698							.2682				
.700				.5397							
.718					.8901						
.743	.9710										
.751				.8589						.4048	
.784									.3856		
.797								.3116			
.809							.2860				
.814					.2628						
.831				.0472							
.849	.8548										
.900				.0120			.7444				
.950				.0039			.2849				
.955	.0320										

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PAGE 1192

(REZL34) (11 NOV 75)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	-7.367
ELEV-R	=	-7.033	SPDBRK	=	.000
BOFLAP	=	-12.167	RN/L	=	3.000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.9500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL34)

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0082	.0432	.2101	1.3056	1.8576	.7841	.7189	.6997		
.010								.9525			
.025	.0273			.4377							
.043				.4736							
.050	.1624				.7862						
.075	.1965										
.100					.5777	.4463	.4576	.5172	.5073	.0091	
.176	.2992										
.200				.3886							
.300				.3337	.3789		.3462	.4320	.4440	.4189	
.318	.3192										
.450					.3295		.3579				
.459	.3334										
.497										.3866	
.600				.2973	.3091		.3429				-.0171
.601	.3162										
.802									.3910		
.652							.4338				
.698							.0620				
.700				.2914							
.718					.2761						
.743	.2885										
.751				.2441						.1468	
.784									.1610		
.797								.1014			
.809							.0928				
.814					.0895						
.831				.0939							
.849	.2303										
.900				.0529			.2974				
.950				.0353			.0452				
.955	.0146										

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0147	.0531	.1805	1.1018	1.5546	.7069	.6213	.6506		
.010								.9279			
.025	.0256			.5068							
.043				.5762							
.050	.2090				.8953						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL34)

ALPHA (3) = 24.719 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.2690										
.100					.7046	.8783	.5736	.7116	.7225	.0194	
.176	.4251										
.200				.5193							
.300				.4686	.5291		.4945	.6002	.6361	.5956	
.318	.4594										
.450					.4978		.4667				
.459	.4794										
.497											
.600				.4336	.4581		.4768			.5445	
.601	.4552										-.0112
.602											
.652											
.698								.5044	.5413		
.700				.3951			.1221				
.718					.4245						
.743	.4190										
.751				.3711							
.784										.1068	
.797									.2221		
.809							.1667	.1661			
.814											
.831				.1644	.1739						
.849	.3477										
.900				.1112			.4407				
.950				.0826			.0919				
.955	.0167										

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0159	.0563	.1825	.9326	1.3303	1.0502	.5061	.4553		
.010								.9047			
.025	.0308			.6098							
.043				.6965							
.050	.2717				1.0058						
.075	.3474										
.100											
.176	.5659				.8700	1.0525	.8406	.8825	.8969	.0056	
.200				.6749							
.300				.6324	.6949		.6982	.7789	.8132	.7540	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C GRB WING LOWER SURFACE(LT)

(REZL34)

ALPHA (4) = 29.492 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP						
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500 1.0000
X/C										
.318	.6128									
.450					.6506		.6652			
.459	.6361									
.497										
.600				.5930	.6112		.6241		.6979	
.601	.6185									-.0187
.602										
.652								.5456	.7001	
.698							.1750			
.700				.3310						
.718					.5673					
.743	.5797									
.751				.5085						
.784										
.797								.2309	.2919	.3020
.809							.2357			
.814					.2407					
.831				.2340						
.849	.4831									
.900				.1627			.5727			
.950				.1281			.1402			
.955	.0123									

ALPHA (5) = 34.820 MACH (1) = 7.320 FN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP						
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500 1.0000
X/C										
.000		.0176	.0637	.1717	.7044	.9859	.9593	.3936	.3342	
.010								.8086		
.025	.0361			.6697						
.043				.7946						
.050	.3203				1.0793					
.075	.4281									
.100					.9901	1.1429	1.1370	1.0429	1.0714	.0207
.176	.6952									
.200				.8267						
.300				.7923	.8767		.9058	.9863	1.0069	.9358
.318	.7589									
.450				.8332			.8904			
.459	.8049									
.497										
.600				.7684	.8100		.8501		.8622	-.0147

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL34)

ALPHA (5) = 34.820 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
	.601	.7957										
	.602											
	.652											
	.698								.8545	.8867		
	.700				.7212			.2836				
	.718				.7297							
	.743	.7479										
	.751				.6808						.1803	
	.784									.4041		
	.797								.3485			
	.809							.3559				
	.814					.3677						
	.831				.3677							
	.849	.6467										
	.900				.2719			.7648				
	.950				.2215			.2413				
	.955	.0203										

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
	.000		.0186	.0630	.1719	.5302	.7243	.7169	.2634	.1859		
	.010								.7221			
	.025	.0406			.7733							
	.043				.9194							
	.050	.3798				1.1730						
	.075	.5138										
	.100					1.1209	1.2697	1.3463	1.1683	1.1929	.0289	
	.176	.8475										
	.200				1.0065							
	.300				.9908	1.0463		1.0863	1.1381	1.1658	1.0826	
	.318	.9274										
	.450					1.0209		1.0807				
	.459	.9824										
	.497										1.0293	
	.600				.9733	.9868		1.0240				-.0192
	.601	.9891										
	.602									1.0692		
	.652							.3800	.3909			
	.698											
	.700				.2823							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL34)

ALPHA (6) = 39.895 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.718					.9099						
.743	.9483										
.751				.8545						.4930	
.784									.5245		
.797								.4626			
.809							.4702				
.814					.4606						
.831				.4599							
.849	.8260										
.900				.3588			.9474				
.950				.3025			.3285				
.955	.0358										

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0285	.0716	.1605	.4564	.4984	.4929	.2406	.1567		
.010								.7419			
.025	.0495			.7884							
.043				.9554							
.050	.4190				1.1722						
.075	.5824										
.100					1.1866	1.3158	1.3797	1.3214	1.3087	.0574	
.176	.9369										
.200				1.0853							
.300				1.0956	1.1780		1.2471	1.3110	1.3202	1.2164	
.318	1.0234										
.450					1.1640		1.2235				
.459	1.0958										
.497										1.1523	
.600				1.0958	1.1376		1.1894				-.0138
.601	1.0953										
.602											
.652								1.1718	1.2134		
.698							.5215				
.700				1.0552							
.718					1.0680						
.743	1.0660										
.751				1.0115							
.784										.2662	
.797								.5901	.6490		

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL34)

ALPHA (7) = 44.264 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.809							.6122				
.814					.6025						
.831				.5986							
.849	.9560										
.900				.4897			1.1151				
.950				.4394			.4514				
.955	.0583										

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.1887	.0723	.2393	.3644	.3538	.3234	.1817	.1087		
.010								.7020			
.025	.1684			.8313							
.043				.9297							
.050	.4904				1.2240						
.075	.6344										
.100					1.3013	1.4229	1.4679	1.4332	1.3914	.0798	
.176	1.0506										
.200				1.0810							
.300				1.1149	1.3348		1.3920	1.4588	1.4418	1.2967	
.318	1.1285										
.450					1.3280		1.3806				
.459	1.1388										
.497											
.600				1.1011	1.3041		1.3391			1.2342	
.601	1.1207										
.602											
.652											
.698											
.700				1.0444			.6283	1.3171	1.3338		
.718					1.2382						
.743	1.0839										
.751				.0000							
.784										.2220	
.797											
.809								.7002			
.814							.7187				
.831				.0000	.7181						
.849	.9662										
.900				.6128			1.2555				

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL34)

ALPHA (8) = 50.000 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.950											
.955	.1005										

.5792

.5689

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(REZL35) (05 AUG 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.000
ELEV-R	=	.000	SPDBRK	=	41.533
BDFLAP	=	15.667	RN/L	=	3.000

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0058	.0423	.2043	1.3057	1.9099	.7883	.7201	.6982	
.010								.9632		
.025	.0235			.4368						
.043				.4667						
.050	.1593				.7769					
.075	.1902									
.100										
.176	.2956				.5551	.4313	.6709	.5103	.5038	-.0017
.200				.3783						
.300				.3233	.3742		.3439	.4262	.4412	.4110
.318	.3163									
.450					.3190		.3555			
.459	.3294									
.497										
.600				.2840	.2993		.3411		.3824	
.601	.3089									-.0172
.602										
.552								.3586	.3859	
.698										
.700							.1344			
.718				.2587						
.743	.2802				.275'					
.751				.2321						
.784										
.797										
.809								.1892	.2619	
.814							.1919			
.831					.1805					
.849	.2202			.1743						
.900										
.950				.1200			.2949			
.955	.0088			.0876			.1039			

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL35)

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0109	.0504	.2037	1.1817	1.6929	.6619	.6196	.5898		
.010								.9535			
.025	.0282			.5359							
.043				.5973							
.050	.2144				.9094						
.075	.2706										
.100					.7223	.7058	.7198	.6928	.6991	.0129	
.176	.4345										
.200				.5277							
.300				.4724	.5236		.4709	.5886	.6143	.5809	
.318	.4673										
.450					.4636		.4769				
.459	.4837										
.497										.5302	
.600				.4309	.4434		.4696				-.0165
.601	.4611										
.602									.5328		
.652								.1936			
.698							.2226				
.700				.3870							
.718					.4046						
.743	.4176										
.751				.3514						.3472	
.784									.3630		
.797								.2861			
.809							.2917				
.814					.2835						
.831				.2653							
.849	.3396										
.900				.1923			.4203				
.950				.1517			.1826				
.955	.0177										

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0092	.0519	.1735	.9065	1.2899	1.1790	.5054	.4517		
.010								.9141			
.025	.0236			.5953							
.043				.6818							
.050	.2603				.9800						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL35)

ALPHA (3) = 29.509 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3408										
.100					.8503	1.0244	.9045	.8950	.9026	.0120	
.176	.5563										
.200				.6628							
.300				.6165	.6816		.7007	.7898	.8191	.7572	
.318	.6069										
.450					.6523		.6793				
.459	.6311										
.497										.7003	
.600				.5849	.6134		.6302				-.0210
.601	.6079										
.602									.7096		
.652								.4719			
.698							.3435				
.700				.5365							
.718					.5753						
.743	.5651										
.751				.5063							
.784									.4907	.4662	
.797								.4214			
.809							.4261				
.814					.4324						
.831				.3975							
.849	.4774										
.900				.3129			.5850				
.950				.2549			.2885				
.955	.0114										

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0104	.0578	.1671	.7138	.9687	.9684	.3756	.2950		
.010								.8020			
.025	.0324			.6812							
.043				.7950							
.050	.3235				1.0682						
.075	.4297										
.100					.9901	1.1523	.9384	1.0487	1.0808	.0161	
.176	.7012										
.200				.8266							
.300				.7980	.8746		.9122	.9867	1.0083	.9412	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL35)

ALPHA (4) = 34.843 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.7684										
.450					.8417		.9099				
.459	.8050										
.497										.8798	
.600				.7744	.8057		.8536				-.0186
.601	.7926										
.602									.9013		
.652								.5398			
.698							.4797				
.700				.7273							
.718					.7482						
.743	.7502										
.751				.6891						.6061	
.784									.6463		
.797								.5732			
.809							.5795				
.814					.5821						
.831				.5548							
.849	.6472										
.900				.4493			.7728				
.950				.3785			.4125				
.955	.0226										

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0151	.0601	.1612	.5588	.7019	.7075	.2649	.1808		
.010								.7321			
.025	.0323			.7550							
.043				.9011							
.050	.3797				1.1480						
.075	.5142										
.100					1.1194	1.2656	1.0332	1.1910	1.1987	.0354	
.176	.8397										
.200				.9841							
.300				.9762	1.0478		1.1052	1.1431	1.1809	1.0844	
.318	.9129										
.450					1.0347		1.0840				
.459	.9760										
.497										1.0320	
.600				.9638	.9936		1.0412				-.0163

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL35)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
Y/C											
.601	.9736										
.602											
.652											
.698								.4966	1.0763		
.700							.6252				
.718				.9160							
.743	.9362				.9252						
.751				.8586							
.784											
.797											
.809								.7251	.8013	.7386	
.814							.7403				
.831					.7428						
.849	.8293			.7195							
.900				.6011			.9649				
.950				.5107			.5434				
.955	.0343										

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0203	.0656	.1567	.4227	.5039	.5104	.2172	.1301		
.010								.7213			
.025	.0393			.8130							
.043				.9720							
.050	.4236										
.075	.5730										
.100											
.176	.9466										
.200											
.300				1.1101							
.318	1.0295			1.1151	1.1952		1.2566	1.3050	1.3206	1.2088	
.450					1.1828		1.2298				
.459	1.1135										
.497											
.600				1.1203	1.1507		1.1884			1.1486	
.601	1.1128										-.0147
.602											
.652									1.2092		
.698								.4612			
.700							.7515				
				1.0763							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL35)

ALPHA (6) = 44.132 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP								
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000	
X/C												
.718					1.0688							
.743	1.0879											
.751				1.0018						.8330		
.784									.9230			
.797								.8318				
.809							.8718					
.814					.8753							
.831				.8437								
.849	.9720											
.900				.7200			1.1103					
.950				.6312			.6671					
.955	.0604											

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL36) (05 AUG 74)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT.  XMRP = .0000
LREF = 1290.3000 IN.     YMRP = .0000
BREF = 1290.3000 IN.     ZMRP = .0000
SCALE = .0100
```

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	5.050
ELEV-R	=	4.100	SPDBRK	=	.000
BDFLAP	=	22.333	RN/L	=	3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL36)

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0057	.0427	.1777	1.1049	1.5619	.6848	.5992	.5668		
.010								.9251			
.025	.0216			.5009							
.043				.5607							
.050	.1988				.8813						
.075	.2556										
.100					.6928	.8369	.5600	.6814	.6901	.0037	
.176	.4082										
.200				.5093							
.300				.4564	.5150		.4647	.5945	.6002	.5722	
.318	.4431										
.450					.4664		.4497				
.459	.4601										
.497										.5208	
.600				.4211	.4310		.4429				-.0188
.601	.4436										
.602											
.652								.4825	.5179		
.698							.3751				
.700				.3829							
.718					.3953						
.743	.4080										
.751				.3533						.4867	
.784									.5221		
.797								.4591			
.809							.4545				
.814					.4458						
.831				.3975							
.849	.3322										
.900				.3280			.4022				
.950				.2899			.3201				
.955	.0086										

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B .2500 .3011 .3480 .4000 .5000 .5500 .6000 .7500 .8500 .9500 1.0000

X/C

.000		.0247	.0606	.1785	.8960	1.2340	1.2131	.5039	.4500		
.010								.9038			
.025	.0564			.6081							
.043				.6874							
.050	.2714				.9992						

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL36)

ALPHA (3) = 29.492 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3488										
.100					.8578	1.0368	.8519	.9168	.9209	.0128	
.176	.5614										
.200				.6798							
.300				.6313	.7020		.7167	.7980	.8258	.7758	
.318	.6150										
.450					.6636		.7092				
.459	.6385										
.497										.7083	
.600				.6030	.6233		.6456				-.0126
.601	.6222										
.602											
.652									.7148		
.698							.5640	.6775			
.700				.5586							
.718					.5800						
.743	.5807										
.751				.5360						.1694	
.784									.7297		
.797								.6334			
.809							.6597				
.814					.6392						
.831				.5788							
.849	.4951										
.900				.4949			.5887				
.950				.4246			.4982				
.955	.0220										

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0216	.0481	.1573	.4720	.4949	.4897	.2306	.1413		
.010								.7086			
.025	.0463			.7865							
.043				.9455							
.050	.4092				1.1540						
.075	.5641										
.100					1.1797	1.2990	1.3655	1.2837	1.2727	.0503	
.176	.9218										
.200				1.0804							
.300				1.0824	1.1635		1.2249	1.2771	1.2786	1.1826	

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZL36)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

ALPHA (4) = 44.247 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.318	1.0163				
.450		1.1510		1.2091	
.459	1.0756				
.497					
.600		1.0876	1.1192	1.1643	1.1263
.601	1.0792				- .0381
.602					
.652					1.1959
.698				1.0115	1.1428
.700		1.0414			
.718			1.0559		
.743	1.0446				
.751		1.0058			
.784					1.1047
.797					1.1978
.809				1.1164	
.814			1.1149	1.1432	
.831		1.0967			
.849	.9484				
.900		.9573		1.0948	
.950		.8443		.9049	
.955	.0501				

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.2074	.0721	.2680	.4262	.3612	.3276	.1847	.1167
.010								.6937	
.025	.1964			.8728					
.043				1.0475					
.050	.5034				1.2271				
.075	.6400								
.100					1.3112	1.4482	1.4796	1.4301	1.3872 .0722
.176	1.0587								
.200				1.2491					
.300				1.2623	1.3417		1.3981	1.4522	1.4409 1.3000
.318	1.1696								
.450					1.3328		1.3840		
.459	1.2575								
.497									1.2395
.600				1.2701	1.3019		1.3392		- .0088

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

(REZL36)

ALPHA (5) = 48.639 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.601	1.2673
------	--------

.602

.652

.699

.700
710

.718
743

.743
751

784

.797

.809

.814

.831

.849

.900

.950

.955

1.2446

1.1319

.0996

1.2095

1.1728

1.3153

1.1187

.9960

1.2325

1.3348

1.1805

1.3420

1.2560

1.0730

1.3099

1.2696

1.3308

1.3660

.3010

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(REZL37) (05 AUG 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	5.050
ELEV-R	=	4.100	SPDBRK	=	.000
BOFLAP	=	22.333	RN/L	=	6.500

DEPENDENT VARIABLE CP

X/C

[illegible]

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL38) (04 OCT 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	-7.367
ELEV-R	=	-7.033	SPDBRK	=	.000
BDFLAP	=	-12.167	RN/L	=	6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(REZL38)

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP.

	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0068	.0421	.1661	1.1682	1.6146	.6947	.5261	.6078		
.010								.7105			
.025	.0195			.4988							
.043				.5881							
.050	.2066				.8824						
.075	.3021										
.100					.7125	.8513	.5540	.5909	.6630	.0316	
.176	.4245										
.200				.5316							
.300				.4816	.5337		.4848	.5530	.6185	.5971	
.318	.4702										
.450					.4679		.4544				
.459	.4948										
.497											
.600				.4445	.4414		.4567			.5538	
.601	.4717										- .0161
.602											
.652									.5491		
.698								.5005			
.700				.4065			.1095				
.718					.4000						
.743	.4319										
.751				.3629							
.784										.2912	
.797											
.809								.2449	.2805		
.814							.1619				
.831					.1725						
.849	.3522			.1666							
.900				.1088							
.950				.0773			.4176				
.955	.0064						.2724				

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(XEZL03) (23 SEP 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

DEPENDENT VARIABLE CP

[illegible]

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL03)

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0185	.0474	.0665	1.0985	1.5501	.7154	.6067	.5662		
.010								.9355			
.025	.0180			.1678							
.043				.0836							
.050	.0735				.8899						
.075	.2698										
.100					.7081	.8718	.5858	.6969	.7096	.0225	
.176	.1413										
.200				.1699							
.300				.1558	.5298		.4921	.5832	.6276	.5829	
.318	.1537										
.450					.4851		.4718				
.459	.1652										
.497										.5419	
.600				.1425	.4595		.4696				-.0176
.601	.1548										
.602											
.652								.5319	.5380		
.698							.2370				
.700				.1250							
.718					.4184						
.743	.1374										
.751				.3685							
.784										.1642	
.797								.3020	.3715		
.809							.3114				
.814					.3083						
.831				.2810							
.849	.1103										
.900				.2143			.4322				
.950				.1704			.1954				
.955	.0186										

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0136	.0506	.0629	.9062	1.2632	1.1552	.4990	.4242		
.010								.8899			
.025	.0178			.2047							
.043				.0935							
.050	.0888				.9802						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE (LT)

(XEZL03)

ALPHA (3) = 29.811 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3408										
.100					.8307	1.0257	.8341	.8671	.8869	.0173	
.176	.1937										
.200				.2349							
.300				.2204	.6750		.6976	.7571	.7973	.7420	
.318	.2134				.6324		.6552				
.450											
.459	.2327										
.497										.6879	
.600				.2100	.6022		.6089				-.0179
.601	.2292										
.602									.6922		
.652								.6354			
.698							.3394				
.700				.1851							
.718					.5606						
.743	.2005										
.751				.4977						.2470	
.784									.4882		
.797								.4160			
.809							.4287				
.814					.4325						
.831				.3992							
.849	.1624										
.900				.3144			.5648				
.950				.2531			.2933				
.955	.0151										

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0247	.0586	.0526	.6447	.8877	.9005	.3713	.2674		
.010								.7856			
.025	.0229			.1904							
.043				.0810							
.050	.0961				1.0335						
.075	.4297										
.100					.9513	1.1123	1.1757	1.0309	1.0630	.0265	
.176	.1979										
.200				.2425							
.300				.2620	.8525		.9058	.9571	1.0011	.9166	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL03)

ALPHA (4) = 34.784 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.2332										
.450					.8256		.8878				
.459	.2661										
.497										.8747	
.600				.2363	.7896		.8513				-.0207
.501	.2655										
.602									.8867		
.652								.8682			
.698							.4877				
.700				.2203							
.708					.7770						
.743	.2440										
.751				.7114						.2986	
.794									.6567		
.797								.5740			
.809							.5844				
.814					.5679						
.831				.5549							
.849	.1918										
.900				.4558			.7930				
.950				.3862			.4253				
.955	.0229										

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0379	.0639	.0673	.5425	.6615	.6728	.2675	.1758		
.010								.7272			
.025	.0391			.2484							
.043				.1033							
.050	.1267				1.1040						
.075	.5123										
.100											
.176	.2809				1.0851	1.2287	1.3052	1.1894	1.1939	.0437	
.200				.3582							
.300				.523	1.0322		1.1067	1.1430	1.1735	1.0722	
.318	.3442				1.0239		1.0793				
.450											
.459	.4390										
.497											
.600				.5328	.9952		1.0325		1.0267		-.0195

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL03)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
.601	.5229											
.672										1.0915		
.652									1.0671			
.698								.6431				
.700					.5733							
.718					.9541							
.743	.5383											
.751					.8692						.4088	
.784									.8025			
.797								.7409				
.809								.7474				
.814					.7342							
.831					.7208							
.849	.4827											
.900					.6054			1.0216				
.950					.5130			.5717				
.955	.0397											

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
.000		.0542	.0616	.0822	.4556	.4929	.4972	.2244	.1321			
.010								.7049				
.025	.0575			.3211								
.043				.1281								
.050	.1574				1.1636							
.075	.5719											
.100					1.1732	1.3305	1.3749	1.3082	1.2859	.0620		
.176	.4472											
.200				.8636								
.300				.9305	1.1609		1.2427	1.2789	1.2971	1.1944		
.318	.8436											
.450					1.1615		1.2179					
.459	.9272											
.497												
.600				.9128	1.1305		1.1638			1.1361		
.601	.9355											
.602												
.652									1.1979			
.698												
.700					.8730							

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TABULATED SOURCE DATA OH3B (ARC 3.5-198)

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ARC 3.5-198 OH3B 140C ORB WING LOWER SURFACE(LT)

(XEZL03)

ALPHA (6) = 44.174 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.718					1.0820						
.743	.8870										
.751				1.0054						.5248	
.784									.9145		
.797								.8393			
.809							.8641				
.814					.8505						
.831				.8425							
.849	.7929										
.900				.6997			1.1094				
.950				.6087			.6746				
.955	.0599										

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0670	.0655	.0910	.3690	.3289	.3232	.1731	.1029		
.010								.6585			
.025	.0679			.3333							
.043				.1303							
.050	.1746				1.2341						
.075	.6403										
.100					.0000	1.4025	1.4276	1.4125	1.3630	.0727	
.176	.4441										
.200				1.0502							
.300				1.1013	1.2885		1.3768	1.3989	1.4214	1.2736	
.318	.9842										
.450					1.3017		1.3475				
.459	1.0867										
.497										1.2196	
.600				.0000	1.2693		1.2941				-.0158
.601	1.0888										
.602									1.3087		
.652								1.2571			
.698						.8609					
.700				1.0317							
.718					1.2072						
.743	1.0446										
.751				1.1388						.5674	
.784											
.797								.9495	1.0395		

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL03)

ALPHA (7) = 48.803 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.809

.814

.831

.849

.900

.950

.955

.9298

.0715

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL04)

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0104	.0459	.0663	1.0969	1.7027	.6880	.5927	.5798		
.010								.9363			
.025	.0134			.4431							
.043				.3183							
.050	.0751				.9013						
.075	.2807										
.100					.7322	.8545	.5791	.7194	.7162	.0101	
.176	.3510										
.200				.4437							
.300				.4016	.5566		.4939	.6181	.6568	.6119	
.318	.3959										
.450					.5061		.5015				
.459	.4287										
.497										.5707	
.600				.3765	.4813		.4836				-.0163
.601	.3998										
.602									.5600		
.652								.3204			
.698						.2395					
.700				.3398							
.718					.4455						
.743	.3615										
.751				.3855						.2262	
.784									.3801		
.797								.3000			
.809							.3197				
.814					.3232						
.831				.2996							
.849	.2872				.2257		.4464				
.900					.1792		.1963				
.950											
.955	.0099										

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0113	.0480	.0586	.9241	1.3735	1.0632	.4843	.4293		
.010								.8871			
.025	.0140			.5196							
.043				.3682							
.050	.0946				.9877						

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL04)

ALPHA (3) = 29.649 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3560										
.100					.8551	1.0333	.8225	.8847	.8887	.0099	
.176	.4838										
.200				.5724							
.300				.5426	.6893		.6996	.7900	.8349	.7748	
.318	.5273										
.450					.6533		.6598				
.459	.5602										
.497										.7227	
.600				.5086	.6127		.6036				-.0179
.601	.5424										
.602									.7165		
.652								.2143			
.698							.3341				
.700				.4669							
.718					.5697						
.743	.5029										
.751				.4985						.3281	
.784									.5011		
.797								.4097			
.809							.4256				
.814					.4421						
.831				.4047							
.849	.4087										
.900				.3172			.5657				
.950				.2507			.2810				
.955	.0118										

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0214	.0562	.0494	.6180	.8893	.8691	.3398	.2455		
.010								.7563			
.025	.0226			.5460							
.043				.3236							
.050	.0987				1.0336						
.075	.4372										
.100					1.0000	1.1355	1.1822	1.0446	1.0571	.0200	
.176	.5803										
.200				.6606							
.300				.6652	.8965		.9223	1.0023	1.0492	.9659	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL04)

ALPHA (4) = 34.668 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6267										
.450					.8576		.9092				
.459	.6642										
.497										.9237	
.600				.6237	.8281		.8509				-.0187
.601	.6575										
.602									.9253		
.652								.6714			
.698							.4906				
.700				.5890							
.718					.7710						
.743	.6186										
.751				.6995						.4328	
.784									.6702		
.797								.5781			
.809							.6025				
.814					.5997						
.831				.5784							
.849	.5163										
.900				.4640			.7909				
.950				.4006			.4285				
.955	.0231										

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0390	.0585	.0593	.4922	.6198	.6254	.2415	.1567		
.010								.7102			
.025	.0395			.6193							
.043				.2031							
.050	.1183				1.0907						
.075	.5117										
.100					1.1196	1.2592	1.3163	1.2155	1.1923	.0392	
.176	.6879										
.200				.8038							
.300				.8171	1.0484		1.1169	1.1482	1.1956	1.1202	
.318	.7618										
.450					1.0429		1.0880				
.459	.8044										
.497										1.0709	
.600				.7583	1.0137		1.0315				-.0170

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZLO4)

ALPHA (5) = 39.840 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.601	.8051										
.602									1.0950		
.652								.7837			
.698							.6317				
.700				.7402							
.718					.9502						
.743	.7797										
.751				.8799						.5706	
.784									.8197		
.797								.7256			
.809							.7580				
.814					.7562						
.831				.7277							
.849	.6623										
.900				.5993			.9691				
.950				.5220			.5787				
.955	.0401										

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0625	.0584	.0819	.3734	.4547	.4473	.2067	.1179		
.010								.6847			
.025	.0657			.6738							
.043				.4125							
.050	.1589				1.1445						
.075	.5815										
.100					1.2053	1.3307	1.3810	1.3067	1.2783	.0665	
.176	.7894										
.200				.9149							
.300				.9552	1.1822		1.2455	1.2891	1.3388	1.2328	
.318	.8736				1.1816		1.2177				
.450											
.459	.9376										
.497											
.600				.9196	1.1386		1.1704		1.1804		
.601	.9486										
.602											
.652								.8626	1.2208		
.698							.7556				
.700				.8854							

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL05) (04 OCT 74)

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	5.050
ELEV-R	=	4.100	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	3.0

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0075	.0434	.2065	1.2412	1.4181	.7824	.7176	.6940	
.010								.9479		
.025	.0259			.4404						
.043				.4725						
.050	.1627				.7849					
.075	.1947									
.100					.5724	.4521	.4571	.5163	.5032	.0036
.176	.3009									
.200				.3870						
.300				.3339	.3829		.3468	.4311	.4436	.4248
.318	.3204									
.450					.3325		.3560			
.459	.3344									
.497										
.600				.2954	.3111		.3434		.3872	
.601	.3172									-.0178
.602										
.652								.3899		
.698										
.700							.2960	.3908		
.718				.5871						
.743	.2894				.2849					
.751				.2432						
.784									.3578	
.797										
.809								.3609	.4102	
.814							.3611			
.831					.3389					
.849				.2819						
.900	.2316									
.950				.2437			.2990			
.955	.0075			.2033			.2376			

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL05)

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0157	.0573	.1816	.8704	1.1602	.9520	.5033	.4533		
.010								.9056			
.025	.0287			.6086							
.043				.6927							
.050	.2695				1.0033						
.075	.3481										
.100					.8607	1.0029	.8102	.8468	.8787	.0154	
.176	.5630										
.200				.6702							
.300				.6302	.6875		.6896	.7683	.8106	.7609	
.318	.6122										
.450					.6484		.6568				
.459	.6353										
.497										.6991	
.600				.5918	.6078		.6200				-.0176
.601	.6141										
.602									.6985		
.652								.6173			
.698							.5848				
.700				.7641							
.718					.5698						
.743	.5791										
.751				.5091						.6734	
.784									.7740		
.797								.6860			
.809							.6758				
.814					.6595						
.831				.5729							
.849	.4854										
.900				.5126			.5729				
.950				.4316			.4836				
.955	.0119										

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0326	.0603	.1650	.6977	.8996	.8951	.3858	.2992		
.010								.7863			
.025	.0325			.6627							
.043				.7742							
.050	.3207				1.0347						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL05)

ALPHA (3) = 32.095 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.4334										
.100					.9612	1.0282	1.0366	.9280	1.0143	.0107	
.176	.6927										
.200				.8164							
.300				.7806	.8583		.8831	.9185	.9676	.9189	
.318	.7550										
.450					.8249		.8609				
.459	.7953										
.497										.8599	
.600				.7674	.7953		.8267				-.0194
.601	.7817										
.602									.8821		
.652								.8219			
.698							.7303				
.700				.7181							
.718					.7430						
.743	.7394										
.751				.7047						.4234	
.784									.8805		
.797								.7944			
.809							.7992				
.814					.7985						
.831				.7542							
.849	.6476										
.900				.6598			.7630				
.950				.5760			.6582				
.955	.0124										

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0187	.0657	.1693	.7303	.7527	.7466	.3309	.2623		
.010								.7307			
.025	.0410			.7778							
.043				.9097							
.050	.3856				1.1623						
.075	.5405										
.100					1.1022	1.1045	1.1383	1.0266	1.1087	.0440	
.176	.8507										
.200				.9952							
.300				.9836	1.0454		1.0428	1.0368	1.1112	1.0707	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL05)

ALPHA (4) = 39.911 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.9358										
.450					1.0205		1.0120				
.459	.9832									1.0225	
.497											
.600				.9651	.9824		.9706				-.0179
.601	.9864										
.602									1.0486		
.652								.9154			
.698							.9070				
.700				.9228							
.718					.9138						
.743	.9434										
.751				.8413						1.0035	
.784									1.0704		
.797								.9688			
.809							.9788				
.814					1.0098						
.831				1.0160							
.849	.8179										
.900				.8781			.9089				
.950				.7617			.7952				
.955	.0302										

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0394	.0660	.1553	.7417	.5315	.5174	.3497	.2904		
.010								.7239			
.025	.0483			.7913							
.043				.9483							
.050	.4157				1.1518						
.075	.6140										
.100					1.1680	1.1358	1.1715	1.1149	1.2063	.0781	
.176	.9447										
.200				1.0998							
.300				1.1008	1.1599		1.1452	1.1476	1.2171	1.1461	
.318	1.0256										
.450					1.1530		1.1230				
.459	1.1046										
.497										1.1118	
.600				1.1099	1.1296		1.0886				-.0178

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL05)

ALPHA (5) = 45.000 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.601	1.1081										
.602									1.1664		
.652							1.0139	1.0831			
.698											
.700				1.0698							
.718					1.0735						
.743	1.0742										
.751				1.0219						.8223	
.784									1.1324		
.797							1.0639	1.0347			
.809											
.814					1.1015						
.831				1.1421							
.849	.9709										
.900				.9853			1.0281				
.950				.8837			.9277				
.955	.0579										

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.000		.0391	.0654	.1468	.7790	.4335	.4059	.3300	.2939		
.010								.6746			
.025	.0515			.8446							
.043				1.0300							
.050	.4497				1.1998						
.075	.6967										
.100					1.2819	1.1881	1.2353	1.1936	1.2644	.0945	
.176	1.0430										
.200				1.2334							
.300				1.2539	1.3045		1.2454	1.2440	1.2886	1.1948	
.318	1.1478										
.450					1.2961		1.2247				
.459	1.2408										
.497										1.1733	
.600				1.2753	1.2724		1.1961				-.0149
.601	1.2562										
.602									1.2323		
.652							1.1788				
.698							1.1300				
.700				1.2315							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL05)

ALPHA (6) = 50.000 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP										
2Y/B		.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C												
.718						1.2171						
.743	1.2358											
.751				1.1551							1.0343	
.784												
.797									1.1256	1.1942		
.809							1.1771					
.814						1.1854						
.831					1.2848							
.849	1.1243											
.900					1.1108			1.1349				
.950					.9879			1.0282				
.955	.0763											

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL06)

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0096	.0460	.1682	.6566	.8751	.6555	.5369	.5840		
.010								.9173			
.025	.0224			.5126							
.043				.5818							
.050	.2120				.9383						
.075	.3236										
.100					.6840	.7544	.5664	.5990	.6721	.0365	
.176	.4360										
.200				.5394							
.300				.4908	.5654		.5144	.5743	.6278	.6026	
.318	.4760										
.450					.5201		.4923				
.459	.5038										
.497										.5618	
.600				.4524	.4944		.4757				-.0155
.601	.4805										
.602									.5608		
.652								.5283			
.698							.4559				
.700				.4182							
.718					.4732						
.743	.4417										
.751				.4209						.3679	
.784									.5562		
.797								.5132			
.809							.4720				
.814					.6273						
.831				.4669							
.849	.3648										
.900				.4110			.4536				
.950				.3620			.4361				
.955	.0139										

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0067	.0458	.1542	.9159	.8812	.8373	.5532	.5570		
.010								.8619			
.025	.0209			.5776							
.043				.6798							
.050	.2543				.9551						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL06)

ALPHA (3) = 30.000 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.3986										
.100					.8091	.8341	.7273	.6898	.7950	.0505	
.176	.5467										
.200				.6640							
.300				.6232	.6881		.6614	.6800	.7608	.7385	
.318	.5993										
.450					.6410		.6316				
.459	.6391										
.497										.6950	
.600				.5905	.6159		.5944				-.0200
.601	.6204										
.602									.6977		
.652								.6314			
.698							.5691				
.700				.5424							
.718					.5852						
.743	.5746										
.751				.4955						.5741	
.784									.6995		
.797								.6139			
.809							.5788				
.814					.6805						
.831				.5895							
.849	.4815										
.900				.4866			.5527				
.950				.4096			.5289				
.955	.0049										

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0142	.0552	.1547	.7891	.8770	.8316	.6410	.5392		
.010								.8015			
.025	.0295			.6728							
.043				.7867							
.050	.3153				1.0305						
.075	.5117										
.100					.9441	.9079	.7870	.7981	.9069	.0841	
.176	.7095										
.200				.8443							
.300				.8173	.8654		.8100	.8118	.8992	.8555	

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL06)

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.318	.7696					
.450			.8290		.7885	
.459	.8288					
.497						.8443
.600		.7885	.8028		.7662	
.601	.8181					
.602						
.652						.8564
.698						
.700		.7407			.7234	
.718			.7556			
.743	.7725					
.751		.6987				
.784						.7798
.797						
.809					.7515	.8274
.814				.7299		
.831			.8091			
.849	.6708	.7340				
.900		.6849			.7145	
.950		.6045			.6692	
.955	.0201					

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

(XEZL11) (04 OCT 74)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT.  XMRP = .0000
LREF = 1290.3000 IN.      YMRP = .0000
BREF = 1290.3000 IN.      ZMRP = .0000
SCALE = .0100
```

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	10.000
ELEV-R	=	9.100	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL11)

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0120	.0440	.2091	1.3192	1.8579	.7925	.7278	.7128		
.010								.9668			
.025	.0267			.4393							
.043				.4753							
.050	.1647				.7762						
.075	.1988										
.100					.5711	.4475	.4686	.5254	.5087	.0114	
.176	.3027										
.200				.3856							
.300				.3331	.3832		.3502	.4337	.4525	.4193	
.318	.3195										
.450					.3287		.3657				
.459	.3379										
.497										.3934	
.600				.2936	.3136		.3487				-.0176
.601	.3154										
.602									.3938		
.652								.4288			
.698							.4365				
.700				.5979							
.718					.2843						
.743	.2858										
.751				.2658							
.784										.4734	
.797											
.809								.5116			
.814							.5090				
.831				.3653	.4789						
.849	.2431										
.900				.3458			.3062				
.950				.2953			.3583				
.955	.0123										

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0106	.0477	.1882	1.1720	1.5621	.6640	.6035	.5916		
.010								.9451			
.025	.0211			.5287							
.043				.5810							
.050	.2082				.9380						

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL11)

ALPHA (3) = 25.000 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.2603										
.100					.7181	.8107	.5536	.6942	.7010	.0103	
.176	.4225										
.200				.5226							
.300				.4665	.5201		.4630	.5790	.6142	.5781	
.318	.4541				.4680		.4523				
.450											
.459	.4776										
.497										.5302	
.600				.4267	.4337		.4594				-.0184
.601	.4543										
.602									.5237		
.652							.4865				
.698							.6062				
.700				.3897							
.718					.4066						
.743	.4145										
.751				.4280						.1333	
.784									.7145		
.797								.6926			
.809							.6979				
.814					.6376						
.831				.4968							
.849	.3662										
.900				.4957			.4159				
.950				.4173			.5033				
.955	.0154										

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0149	.0563	.1838	.9349	1.1553	1.0249	.5122	.4634		
.010								.9205			
.025	.0339			.6109							
.043				.6947							
.050	.2689				.9949						
.075	.3492										
.100					.8598	1.0027	.8341	.8399	.8906	.0103	
.176	.5683										
.200				.6760							
.300				.6290	.6958		.7068	.7781	.8171	.7671	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL11)

ALPHA (4) = 29.674 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.6191										
.450					.6533		.6849				
.459	.6419										
.497										.7080	
.600				.5987	.6218		.6422				-.0186
.601	.6239										
.602											
.652								.7039	.7178		
.698							.7595				
.700				.7770							
.718					.5826						
.743	.5790										
.751				.5560						.8074	
.784									.9373		
.797								.8659			
.809							.8444				
.814					.8814						
.831				.7181							
.849	.5191										
.900				.6872			.5929				
.950				.5976			.6623				
.955	.0152										

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0205	.0631	.1710	.7093	.9094	.9209	.3979	.3132		
.010								.8185			
.025	.0366			.6794							
.043				.7928							
.050	.3284				1.0693						
.075	.4427										
.100					.9811	1.1061	1.0858	.9571	1.0299	.0127	
.176	.7043										
.200				.8342							
.300				.7989	.8701		.9061	.9488	.9904	.9458	
.318	.7697										
.450					.8309		.8845				
.459	.8098										
.497										.8769	
.600				.7747	.8052		.8682				-.0169

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL11)

ALPHA (5) = 34.627 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.601	.7963										
.602									.9083		
.652								.8741			
.698							.9389				
.700				.7566							
.718					.8009						
.743	.7531										
.751				.7901						.3515	
.784									1.0972		
.797								.9858			
.809							.9961				
.814					1.0131						
.831				.9030							
.849	.7008										
.900				.8845			.8068				
.950				.7747			.8429				
.955	.0199										

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) WING LOWER SURFACE		DEPENDENT VARIABLE CP									
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0199	.0644	.1690	.6964	.7258	.7211	.3412	.2787		
.010								.7370			
.025	.0416			.7625							
.043				.9019							
.050	.3833				1.1445						
.075	.5439										
.100					1.1139	1.1052	1.1472	1.0451	1.1352	.0554	
.176	.8429										
.200				.9898							
.300				.9756	1.0428		1.0550	1.0634	1.1287	1.0636	
.318	.9184										
.450					1.0215		1.0304				
.459	.9802										
.497											
.600				.9712	.9977		1.0045		1.0277		
.601	.9822									-.0191	
.602											
.652									1.0714		
.698							1.0526	.9650			
.700				.9313							

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL11)

ALPHA (7) = 44.081 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.809											1.2318
.814					1.2671						
.831				1.4022							
.849	.9831										
.900				1.2215				1.1072			
.950				1.0739				1.0783			
.955	.0585										

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0252	.0679	.1530	.4217	.3498	.3241	.1792	.1136		
.010								.6941			
.025	.0521			.8628							
.043				1.0428							
.050	.4616				1.2292						
.075	.6831										
.100					1.3079	1.4373	1.4711	1.4310	1.3206	.0950	
.176	1.0537										
.200				1.2512							
.300				1.2771	1.3410			1.3999	1.4595	1.3628	1.2675
.318	1.1681										
.450					1.3314			1.3798			
.459	1.2575										
.497										1.2302	
.600				1.2864	1.3060			1.3386			-.0124
.601	1.2696										
.602									1.3167		
.652								1.3164			
.698								1.4537			
.700				1.2437							
.718					1.2390						
.743	1.2550										
.751				1.1738						.7668	
.784									1.4543		
.797								1.5818			
.809								1.6603			
.814					1.6355						
.831				1.5812							
.849	1.1374										
.900				1.3434				1.2681			

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1245

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(XEZL11)

ALPHA (8) = 48.676 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

.950

1.1722

1.3077

.955

.0682

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TABULATED SOURCE DATA OH38. (ARC 3.5-198)

PAGE 1246

ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

(YEZL03) (05 AUG 74)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.  XMRP = .0000
LREF = 1290.3000 IN.     YMRP = .0000
BREF = 1290.3000 IN.     ZMRP = .0000
SCALE = .0100

```

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	.000
BDFLAP	=	.000	RN/L	=	3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1247

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(YEZL03)

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.367C Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) WING LOWER SURFACE			DEPENDENT VARIABLE CP								
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0130	.0545	.1777	.8695	1.1424	1.0492	.5124	.4690		
.010								.9123			
.025	.0313			.6023							
.043				.6804							
.050	.2665				.9825						
.075	.3464										
.100					.8453	1.0010	.8315	.8326	.8711	.0121	
.176	.5601										
.200				.6655							
.300				.6194	.6905		.7006	.7712	.8162	.7718	
.318	.6127										
.450					.6537		.6736				
.459	.6315										
.497										.7021	
.600				.5870	.6204		.6261				-.0197
.601	.6109										
.602									.7106		
.652								.5648			
.698							.3513				
.700				.5151							
.718					.5826						
.743	.5702										
.751				.5146						.4464	
.784									.5016		
.797								.4270			
.809							.4424				
.814					.4427						
.831				.4085							
.849	.4809										
.900				.3157			.5819				
.950				.2636			.2922				
.955	.0091										

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) WING LOWER SURFACE			DEPENDENT VARIABLE CP								
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0161	.0595	.1616	.6801	.9438	.9148	.3862	.3314		
.010								.7865			
.025	.0296			.6574							
.043				.7780							
.050	.3167				1.0527						

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TABULATED SOURCE DATA OH3B (ARC 3.5-198)

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ARC 3.5-198 OH3B 140C ORB WING LOWER SURFACE(LT)

(YEZL03)

ALPHA (3) = 34.774 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.075	.4239										
.100					.9590	1.1148	1.1459	1.0424	1.0826	.0197	
.176	.6822										
.200				.8083							
.300				.7784	.8477		.8935	.9774	1.0049	.9221	
.318	.7501										
.450					.8145		.8770				
.459	.7939										
.497											
.600				.7522	.7789		.8577			.8589	
.601	.7755										-.0189
.602											
.652									.8819		
.698							.4890	.8608			
.700				.7071							
.718					.7324						
.743	.7357										
.751				.6711						.3586	
.784									.6324		
.797								.5809			
.809							.5848				
.814					.5720						
.831				.5587							
.849	.6324										
.900				.4482			.7813				
.950				.3776			.4259				
.955	.0132										

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0171	.0603	.1670	.5984	.7243	.7234	.3869	.3246		
.010								.7284			
.025	.0401			.7643							
.043				.9036							
.050	.3795				1.1520						
.075	.5393										
.100					1.1086	1.2411	1.1425	1.0315	1.1030	.0460	
.176	.8451										
.200				.9887							
.300				.9751	1.0483		1.0493	1.0321	1.1029	1.0529	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

(YEZL03)

ALPHA (4) = 39.931 MACH (1) = 7.320

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.318	.9182										
.450					1.0293		1.0159				
.459	.9792										
.497										1.0048	
.600				.9717	.9962		.9586				-.0198
.601	.9778										
.602									1.0286		
.652								.8437			
.698							.6752				
.700				.5403							
.718					.9191						
.743	.9415										
.751				.8627						.7435	
.784									.8104		
.797								.7289			
.809							.7606				
.814					.7538						
.831				.7243							
.849	.8327										
.900				.5975			.8957				
.950				.5171			.5684				
.955	.0243										

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) WING LOWER SURFACE				DEPENDENT VARIABLE CP							
2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
X/C											
.000		.0190	.0647	.1514	.6550	.5207	.5141	.5156	.5475		
.010								.7182			
.025	.0417			.7831							
.043				.9534							
.050	.4084				1.1672						
.075	.5898										
.100					1.1929	1.2929	1.2364	1.1206	1.1940	.0640	
.176	.9296										
.200				1.0965							
.300				1.1034	1.1721		1.1739	1.1436	1.1922	1.1262	
.318	1.0159										
.450					1.1528		1.1337				
.459	1.1038										
.497										1.0923	
.600				1.0987	1.1305		1.0800				-.0185

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

ARC 3.5-198 OH38 140C ORB WING LOWER SURFACE(LT)

ALPHA (5) = 44.104 MACH (1) = 7.320

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3480	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

.601	1.1139
------	--------

.602

.652

.698

.700

.718

.743

.751

.784

.797

.809

.814

.831

.849

.900

.950
855

.955

1.1139

1.0750

.9573

.0473

1.0555

1.0626

.9979

.8576

.7314

.6395

.8950

.8278

.8853

1.0068

.7375

1.0533

.8610

1.1234

.9222

.8404

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1251

ARC 3.5-198 0H38 140C ORB WING LOWER SURFACE(LT)

(YEZL04) (05 AUG 74)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	.0000
LREF	=	1290.3000	IN.	YMRP	=	.0000
BREF	=	1290.3000	IN.	ZMRP	=	.0000
SCALE	=	.0100				

PARAMETRIC DATA

BETA	=	.000	ELEV-L	=	.117
ELEV-R	=	.000	SPDBRK	=	.000
BOFLAP	=	.000	RN/L	=	6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .20220 CPSTAG = 1.8289

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

[illegible]

PAGE 1252

(YEZL04)

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) WING LOWER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.2500	.3011	.3430	.4000	.5000	.5500	.6000	.7500	.8500	.9500	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/C

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1253

ARC 3.5-198 CH38 140C ORB ATTACH POINTS

(REZM01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2962
 1293.200 .2941
 1300.100 .8537
 1306.100 .2881
 1313.000 .2870
 1319.000 .2811

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5651
 1293.200 .5640
 1300.100 .7642
 1306.100 .5532
 1313.000 .5517
 1319.000 .5408

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .0000
 1293.200 .0000
 1300.100 .0000
 1306.100 .0000
 1313.000 .0000
 1319.000 .0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1254

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO	.7000	.9650
XO		
1287.200		.9006
1293.200	.9035	
1300.100		.7553
1306.100	.8875	
1313.000		.8903
1319.000	.8748	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM02) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2682
 1293.200 .2670
 1300.100 .2770
 1306.100 .2589
 1313.000 .2584
 1319.000 .2532

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5633
 1293.200 .5845
 1300.100 .4236
 1306.100 .5693
 1313.000 .5605
 1319.000 .5597

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .9374
 1293.200 .9538
 1300.100 .6673
 1306.100 .9364
 1313.000 .9213
 1319.000 .9156

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1256

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12650 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2958
 1293.200 .2934
 1300.100 .2901
 1306.100 .2844
 1313.000 .2878
 1319.000 .2810

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4266
 1293.200 .4205
 1300.100 .4195
 1306.100 .4134
 1313.000 .4116
 1319.000 .4032

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5764
 1293.200 .5729
 1300.100 .5710
 1306.100 .5640
 1313.000 .5604
 1319.000 .5514

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1257

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .7394
1293.200 .7366
1300.100 .7343
1306.100 .7241
1313.000 .7234
1319.000 .7171

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9038
1293.200 .8938
1300.100 .8863
1306.100 .8849
1313.000 .8825
1319.000 .8675

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1258

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2774
 1293.200 .2761
 1300.100 .2719
 1306.100 .2694
 1313.000 .2677
 1319.000 .2611

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4193
 1293.200 .4251
 1300.100 .4225
 1306.100 .4191
 1313.000 .4132
 1319.000 .4097

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5731
 1293.200 .5805
 1300.100 .5687
 1306.100 .5710
 1313.000 .5605
 1319.000 .5558

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1259

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.7541
1293.200	.7735	
1300.100		.7555
1306.100	.7529	
1313.000		.7341
1319.000	.7415	

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.9217
1293.200	.9486	
1300.100		.9215
1306.100	.9282	
1313.000		.9167
1319.000	.9075	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5757
 1293.200 .5692
 1300.100 .5677
 1306.100 .5500
 1313.000 .5624
 1319.000 .5512

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2973
 1293.200 .2968
 1300.100 .2973
 1306.100 .2930
 1313.000 .2906
 1319.000 .2842

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .9011
 1293.200 .9010
 1300.100 .8996
 1306.100 .8839
 1313.000 .8886
 1319.000 .8801

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .2818
1293.200 .2903
1300.100 .2781
1306.100 .2743
1313.000 .2733
1319.000 .2685

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5527
1293.200 .5508
1300.100 .5428
1306.100 .5404
1313.000 .5345
1319.000 .5376

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9274
1293.200 .9361
1300.100 .9166
1306.100 .9170
1313.000 .9035
1319.000 .9247

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650
 XO
 1287.200 .2603
 1293.200 .2564
 1300.100 .2567
 1306.100 .2532
 1313.000 .2515
 1319.000 .2502

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650
 XO
 1287.200 .4831
 1293.200 .4825
 1300.100 .4769
 1306.100 .4747
 1313.000 .4675
 1319.000 .4652

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650
 XO
 1287.200 .7933
 1293.200 .7920
 1300.100 .7842
 1306.100 .7773
 1313.000 .7762
 1319.000 .7712

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650
 XO
 1287.200 .2706
 1293.200 .2682
 1300.100 .2648
 1306.100 .2614
 1313.000 .2597
 1319.000 .2548

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650
 XO
 1287.200 .5568
 1293.200 .5565
 1300.100 .5492
 1306.100 .5728
 1313.000 .5368
 1319.000 .5384

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650
 XO
 1287.200 .9332
 1293.200 .9413
 1300.100 .9203
 1306.100 .9266
 1313.000 .9083
 1319.000 .9321

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM09) (23 SEP 74)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPOBRK = .000
 BDF'.AP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .1350 CPSTAG = 1.8292

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2626
 1293.200 .2590
 1300.100 .2584
 1306.100 .2561
 1313.000 .2504
 1319.000 .2474

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .3584
 1293.200 .3557
 1300.100 .3550
 1306.100 .3512
 1313.000 .3457
 1319.000 .3426

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4275
 1293.200 .4326
 1300.100 .4197
 1306.100 .4143
 1313.000 .4153
 1319.000 .4138

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1265

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .5782

1293.200 .5807

1300.100 .5734

1306.100 .5628

1313.000 .5632

1319.000 .5620

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .7476

1293.200 .7496

1300.100 .7401

1306.100 .7335

1313.000 .7305

1319.000 .7280

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPOBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2947
 1293.200 .2935
 1300.100 .2875
 1306.100 .2839
 1313.000 .2847
 1319.000 .2775

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4312
 1293.200 .4319
 1300.100 .4262
 1306.100 .4183
 1313.000 .4179
 1319.000 .4123

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5350
 1293.200 .5427
 1300.100 .5286
 1306.100 .5283
 1313.000 .5183
 1319.000 .5163

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .7247
1293.200 .7323
1300.100 .7114
1306.100 .7104
1313.000 .6987
1319.000 .6992

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9169
1293.200 .9289
1300.100 .9114
1306.100 .9128
1313.000 .8975
1319.000 .8922

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2837
 1293.200 .2809
 1300.100 .2811
 1306.100 .2738
 1313.000 .2758
 1319.000 .2708

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5608
 1293.200 .5597
 1300.100 .5541
 1306.100 .5446
 1313.000 .5462
 1319.000 .5387

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .9146
 1293.200 .9121
 1300.100 .9031
 1306.100 .8928
 1313.000 .8942
 1319.000 .8836

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2853
 1293.200 .2825
 1300.100 .2776
 1306.100 .2731
 1313.000 .2756
 1319.000 .2681

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .0000
 1293.200 .0000
 1300.100 .0000
 1306.100 .0000
 1313.000 .0000
 1319.000 .0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5640
 1293.200 .5591
 1300.100 .5584
 1306.100 .5518
 1313.000 .5478
 1319.000 .5432

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .7777

1293.200 .7752

1300.100 .7668

1306.100 .7619

1313.000 .7597

1319.000 .7476

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .9534

1293.200 .9510

1300.100 .9414

1306.100 .9341

1313.000 .9333

1319.000 .9259

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2843
 1293.200 .2821
 1300.100 .2801
 1306.100 .2718
 1313.000 .2804
 1319.000 .2700

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4327
 1293.200 .4284
 1300.100 .4196
 1306.100 .4155
 1313.000 .4167
 1319.000 .4063

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .6010
 1293.200 .5953
 1300.100 .5824
 1306.100 .5784
 1313.000 .5795
 1319.000 .5690

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .7755
1293.200 .7676
1300.100 .7544
1306.100 .7503
1313.000 .7561
1319.000 .7399

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9767
1293.200 .9741
1300.100 .9599
1306.100 .9704
1313.000 .9603
1319.000 .9479

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .2621
1293.200 .2604
1300.100 .2595
1306.100 .2521
1313.000 .2552
1319.000 .2487

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5437
1293.200 .5389
1300.100 .5420
1306.100 .5334
1313.000 .5308
1319.000 .5209

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9050
1293.200 .9031
1300.100 .8903
1306.100 .8818
1313.000 .8883
1319.000 .8703

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .3011
1293.200 .2910
1300.100 .2940
1306.100 .2838
1313.000 .2905
1319.000 .2809

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5846
1293.200 .5865
1300.100 .5698
1306.100 .5723
1313.000 .5653
1319.000 .5559

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9800
1293.200 .9898
1300.100 .9677
1306.100 .9705
1313.000 .9618
1319.000 .9533

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .2730
 1293.200 .2690
 1300.100 .2696
 1306.100 .2615
 1313.000 .2610
 1319.000 .2535

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .4115
 1293.200 .4089
 1300.100 .4056
 1306.100 .3977
 1313.000 .4018
 1319.000 .3911

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .5663
 1293.200 .5621
 1300.100 .5567
 1306.100 .5488
 1313.000 .5521
 1319.000 .5377

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.7368
1293.200	.7356	
1300.100		.7317
1306.100	.7244	
1313.000		.7200
1319.000	.7088	

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		1.2303
1293.200	1.2233	
1300.100		1.2243
1306.100	1.2104	
1313.000		1.2237
1319.000	1.1984	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1277

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2672
 1293.200 .2638
 1300.100 .2611
 1306.100 .2553
 1313.000 .2587
 1319.000 .2513

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .0000
 1293.200 .0000
 1300.100 .0000
 1306.100 .0000
 1313.000 .0000
 1319.000 .0000

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .9132
 1293.200 .9075
 1300.100 .9040
 1306.100 .8898
 1313.000 .8975
 1319.000 .8829

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1278

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .1676
1293.200 .1612
1300.100 .1635
1306.100 .1610
1313.000 .1594
1319.000 .1546

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .2570
1293.200 .2596
1300.100 .2583
1306.100 .2488
1313.000 .2522
1319.000 .2498

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .3953
1293.200 .3902
1300.100 .3936
1306.100 .3844
1313.000 .3820
1319.000 .3731

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

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ARC 3.5-198 OH3B 140C ORB ATTACH POINTS

(REZM18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5379
1293.200 .5333
1300.100 .5288
1306.100 .5211
1313.000 .5222
1319.000 .5081

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .6926
1293.200 .6925
1300.100 .6957
1306.100 .6813
1313.000 .6834
1319.000 .6712

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .8842
1293.200 .8734
1300.100 .8809
1306.100 .8629
1313.000 .8611
1319.000 .8441

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

C-1

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1280

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO	.7000	.9650
XO		
1287.200		.0057
1293.200	.0056	
1300.100		.0048
1306.100	.0064	
1313.000		.0019
1319.000	.0021	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .2476
1293.200 .2398
1300.100 .2429
1306.100 .2395
1313.000 .2379
1319.000 .2260

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .3598
1293.200 .3572
1300.100 .3502
1306.100 .3480
1313.000 .3491
1319.000 .3415

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5030
1293.200 .4909
1300.100 .4939
1306.100 .4794
1313.000 .4750
1319.000 .4792

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1282

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .6366
1293.200 .6222
1300.100 .6252
1306.100 .6143
1313.000 .6178
1319.000 .6197

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .8102
1293.200 .7960
1300.100 .7991
1306.100 .7873
1313.000 .7882
1319.000 .7737

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9339
1293.200 .9330
1300.100 .9299
1306.100 .9187
1313.000 .9100
1319.000 .9038

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1283

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1230.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2414
 1293.200 .2367
 1300.100 .2316
 1306.100 .2301
 1313.000 .2333
 1319.000 .2224

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .3522
 1293.200 .3458
 1300.100 .3425
 1306.100 .3442
 1313.000 .3411
 1319.000 .3308

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5464
 1293.200 .5365
 1300.100 .5347
 1306.100 .5309
 1313.000 .5257
 1319.000 .5153

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1284

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.7011
1293.200	.6942	
1300.100		.6938
1306.100	.6871	
1313.000		.6925
1319.000	.6740	

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.8884
1293.200	.8828	
1300.100		.8813
1306.100	.8693	
1313.000		.8762
1319.000	.8637	

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		1.0247
1293.200	1.0153	
1300.100		1.0151
1306.100	1.0028	
1313.000		1.0057
1319.000	.9938	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM30) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2788
 1293.200 .2779
 1300.100 .2740
 1306.100 .2671
 1313.000 .2720
 1319.000 .2659

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .0000
 1293.200 .0000
 1300.100 .0000
 1306.100 .0000
 1313.000 .0000
 1319.000 .0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4036
 1293.200 .3984
 1300.100 .3969
 1306.100 .3916
 1313.000 .3891
 1319.000 .3807

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9328
1293.200 .9272
1300.100 .9291
1306.100 .9207
1313.000 .9134
1319.000 .9059

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.0830
1293.200 1.0813
1300.100 1.0710
1306.100 1.0591
1313.000 1.0710
1319.000 1.0475

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.2209
1293.200 1.2061
1300.100 1.2076
1306.100 1.1979
1313.000 1.2085
1319.000 1.1827

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1287

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .3029
1293.200 .3005
1300.100 .2999
1306.100 .2959
1313.000 .2961
1319.000 .2884

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5997
1293.200 .6084
1300.100 .5914
1306.100 .5951
1313.000 .5908
1319.000 .5814

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .1646
1293.200 .1585
1300.100 .1621
1306.100 .1580
1313.000 .1580
1319.000 .1525

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .2666
1293.200 .2610
1300.100 .2626
1306.100 .2572
1313.000 .2580
1319.000 .2511

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .3990
1293.200 .3922
1300.100 .3936
1306.100 .3880
1313.000 .3842
1319.000 .3760

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .5497
1293.200 .5479
1300.100 .5439
1306.100 .5361
1313.000 .5364
1319.000 .5272

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .7246
1293.200 .7203
1300.100 .7162
1306.100 .7124
1313.000 .7046
1319.000 .6952

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200 .9083
1293.200 .9051
1300.100 .8932
1306.100 .8943
1313.000 .8893
1319.000 .8782

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ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM32)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.0482
1293.200 1.0455
1300.100 1.0368
1306.100 1.0329
1313.000 1.0291
1319.000 1.0159

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.2241
1293.200 1.2216
1300.100 1.2179
1306.100 1.2125
1313.000 1.2169
1319.000 1.1860

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1297.200 .3096
 1293.200 .3004
 1300.100 .3019
 1306.100 .3006
 1313.000 .3026
 1319.000 .2915

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1297.200 .4382
 1293.200 .4354
 1300.100 .4278
 1306.100 .4283
 1313.000 .4252
 1319.000 .4162

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1297.200 .7581
 1293.200 .7555
 1300.100 .7451
 1306.100 .7418
 1313.000 .7440
 1319.000 .7258

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO	.7000	.9650
XO		
1287.200		.9188
1293.200	.8978	
1300.100		.9112
1306.100	.9097	
1313.000		.9089
1319.000	.9000	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .6841
 1293.200 .1656
 1300.100 .6364
 1306.100 .1656
 1313.000 .3526
 1319.000 .8283

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2723
 1293.200 .2707
 1300.100 .2703
 1306.100 .2616
 1313.000 .2645
 1319.000 .2578

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4057
 1293.200 .4004
 1300.100 .4042
 1306.100 .3987
 1313.000 .3933
 1319.000 .3857

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1294

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5584
1293.200 .5549
1300.100 .5490
1306.100 .5447
1313.000 .5403
1319.000 .5300

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .7322
1293.200 .7314
1300.100 .7230
1306.100 .7189
1313.000 .7169
1319.000 .7043

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9234
1293.200 .9184
1300.100 .9100
1306.100 .9021
1313.000 .9058
1319.000 .8876

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1295

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM34)

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

Y0 .7000 .9650

X0
1287.200 1.0441
1293.200 1.0393
1300.100 1.0352
1306.100 1.0262
1313.000 1.0273
1319.000 1.0029

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

Y0 .7000 .9650

X0
1287.200 1.2248
1293.200 1.2184
1300.100 1.2142
1306.100 1.2076
1313.000 1.2120
1319.000 1.1821

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ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1296

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM35) (C5 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2623
 1293.200 .2601
 1300.100 .2538
 1306.100 .2494
 1313.000 .2536
 1319.000 .2466

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .3996
 1293.200 .3961
 1300.100 .3936
 1306.100 .3863
 1313.000 .3838
 1319.000 .3783

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5457
 1293.200 .5421
 1300.100 .5435
 1306.100 .5349
 1313.000 .5314
 1319.000 .5234

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1297

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.7319
1293.200	.7288	
1300.100		.7203
1306.100	.7137	
1313.000		.7147
1319.000	.7000	

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.9155
1293.200	.9082	
1300.100		.9025
1306.100	.9011	
1313.000		.8974
1319.000	.8819	

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		1.0610
1293.200	1.0637	
1300.100		1.0513
1306.100	1.0443	
1313.000		1.0539
1319.000	1.0297	

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM36) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .1709
 1293.200 .1652
 1300.100 .1677
 1306.100 .1651
 1313.000 .1629
 1319.000 .1565

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .3939
 1293.200 .3923
 1300.100 .3885
 1306.100 .3820
 1313.000 .3848
 1319.000 .3754

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5637
 1293.200 .5630
 1300.100 .5586
 1306.100 .5506
 1313.000 .5521
 1319.000 .5392

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1299

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.0259
1293.200 1.0200
1300.100 1.0232
1306.100 1.0041
1313.000 1.0139
1319.000 .9977

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.2310
1293.200 1.2221
1300.100 1.2221
1306.100 1.2073
1313.000 1.2215
1319.000 1.1948

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1300

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .1804
1293.200 .1784
1300.100 .1777
1306.100 .1733
1313.000 .1764
1319.000 .1731

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .2849
1293.200 .2825
1300.100 .2811
1306.100 .2783
1313.000 .2749
1319.000 .2729

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1301

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(REZM38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .2874
1293.200 .2856
1300.100 .2805
1306.100 .2798
1313.000 .2805
1319.000 .2736

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .4291
1293.200 .4286
1300.100 .4207
1306.100 .4221
1313.000 .4162
1319.000 .4092

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1302

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM03) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2706
 1293.200 .2658
 1300.100 .2635
 1306.100 .2608
 1313.000 .2596
 1319.000 .2519

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4018
 1293.200 .3972
 1300.100 .4000
 1306.100 .3904
 1313.000 .3871
 1319.000 .3807

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5466
 1293.200 .5479
 1300.100 .5434
 1306.100 .5353
 1313.000 .5373
 1319.000 .5282

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1303

ARC 3.5-198 OH38 1400 ORB ATTACH POINTS

(XEZM03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .7087
1293.200 .7023
1300.100 .7043
1306.100 .6968
1313.000 .6938
1319.000 .6782

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .8807
1293.200 .8815
1300.100 .8766
1306.100 .8642
1313.000 .8667
1319.000 .8577

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.0345
1293.200 1.0305
1300.100 1.0306
1306.100 1.0052
1313.000 1.0203
1319.000 .9988

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1304

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM03)

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO		
1287.200		1.1940
1293.200	1.1899	
1300.100		.0000
1306.100	1.1715	
1313.000		1.1836
1319.000	1.1620	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1305

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM04) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2960
 1293.200 .2949
 1300.100 .2903
 1306.100 .2880
 1313.000 .2858
 1319.000 .2804

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4278
 1293.200 .4307
 1300.100 .4196
 1306.100 .4161
 1313.000 .4178
 1319.000 .4071

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5808
 1293.200 .5877
 1300.100 .5674
 1306.100 .5688
 1313.000 .5660
 1319.000 .5548

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1306

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .7655
1293.200 .7665
1300.100 .7494
1306.100 .7475
1313.000 .7454
1319.000 .7363

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9406
1293.200 .9444
1300.100 .9242
1306.100 .9283
1313.000 .9276
1319.000 .9076

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.0857
1293.200 1.0834
1300.100 1.0750
1306.100 1.0644
1313.000 1.0678
1319.000 1.0473

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZMC5) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .2732
1293.200 .2702
1300.100 .2645
1306.100 .2609
1313.000 .2637
1319.000 .2567

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .5599
1293.200 .5484
1300.100 .5481
1306.100 .5412
1313.000 .5404
1319.000 .5285

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .7199
1293.200 .7172
1300.100 .7179
1306.100 .7082
1313.000 .7065
1319.000 .6978

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		.9179
1293.200	.9165	
1300.100		.9048
1306.100	.9002	
1313.000		.9032
1319.000	.8843	

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		1.0482
1293.200	1.0429	
1300.100		1.0463
1306.100	1.0326	
1313.000		1.0394
1319.000	1.0220	

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO

1287.200		1.1944
1293.200	1.1792	
1300.100		1.1919
1306.100	1.1755	
1313.000		1.1843
1319.000	1.1661	

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TABULATED SOURCE DATA OH3B (ARC 3.5-198)

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ARC 3.5-198 OH3B 140C ORB ATTACH POINTS

(XEZM06) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2920
 1293.200 .2870
 1300.100 .2875
 1306.100 .2834
 1313.000 .2845
 1319.000 .2773

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .4516
 1293.200 .4521
 1300.100 .4429
 1306.100 .4429
 1313.000 .4415
 1319.000 .4321

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5773
 1293.200 .5793
 1300.100 .5688
 1306.100 .5734
 1313.000 .5659
 1319.000 .5566

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO	.7000	.SG50
XO		
1287.200		.7735
1293.200	.7703	
1300.100		.7632
1306.100	.7618	
1313.000		.7585
1319.000	.7511	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .0000
 1293.200 .0000
 1300.100 .0000
 1306.100 .0000
 1313.000 .0000
 1319.000 .0000

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2693
 1293.200 .2643
 1300.100 .2671
 1306.100 .2618
 1313.000 .2577
 1319.000 .2527

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .3950
 1293.200 .3907
 1300.100 .3922
 1306.100 .3859
 1313.000 .3877
 1319.000 .3766

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1312

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

Y0 .7000 .9650

X0
1287.200 .5588
1293.200 .5574
1300.100 .5529
1306.100 .5442
1313.000 .5448
1319.000 .5357

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

Y0 .7000 .9650

X0
1287.200 .7348
1293.200 .7308
1300.100 .7279
1306.100 .7201
1313.000 .7177
1319.000 .7093

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

Y0 .7000 .9650

X0
1287.200 .9204
1293.200 .9238
1300.100 .9100
1306.100 .9064
1313.000 .9057
1319.000 .8947

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1313

ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(XEZM11)

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

Y0 .7000 .9650

X0
1287.200 1.0745
1293.200 1.0693
1300.100 1.0653
1306.100 1.0575
1313.000 1.0635
1319.000 1.0385

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

Y0 .7000 .9650

X0
1287.200 1.2285
1293.200 1.2193
1300.100 1.2160
1306.100 1.2079
1313.000 1.2184
1319.000 1.1931

REPRODUCIBILITY OF THIS
ORIGINAL PAGE IS POOR

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TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(YEZM03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .2627
 1293.200 .2576
 1300.100 .2599
 1306.100 .2537
 1313.000 .2518
 1319.000 .2462

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .5528
 1293.200 .5508
 1300.100 .5439
 1306.100 .5372
 1313.000 .5385
 1319.000 .5274

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
 1287.200 .7163
 1293.200 .7102
 1300.100 .7073
 1306.100 .7042
 1313.000 .6962
 1319.000 .6861

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 1315

ARC 3.5-198 OH3B 140C ORB ATTACH POINTS

(YEZM03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9151
1293.200 .9107
1300.100 .9100
1306.100 .9021
1313.000 .9046
1319.000 .8920

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 1.0496
1293.200 1.0395
1300.100 1.0363
1306.100 1.0400
1313.000 1.0322
1319.000 1.0216

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB ATTACH POINTS

(YEZM04) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .6170
1293.200 .6253
1300.100 .6096
1306.100 .6108
1313.000 .6091
1319.000 .6002

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) ATTACH POINTS

DEPENDENT VARIABLE CP

YO .7000 .9650

XO
1287.200 .9375
1293.200 .9400
1300.100 .9312
1306.100 .9319
1313.000 .9270
1319.000 .9209

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN01) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12890 CPSTAG = 1.8304

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .0009
 157.000 .0040

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 -.0150
 157.000 -.0100

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.9304

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 -.0026
 157.000 .0033

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 -.0136
 157.000 -.0111

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN02) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BOFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 -.0192
157.000 -.0151

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 -.0149
157.000 -.0061

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 -.0146
157.000 -.0109

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN03) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 1.0220
157.000 .0457

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .9167
157.000 .0434

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 1.1752
157.000 .0539

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 1.0435
157.000 .0511

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN03)

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP	
155.000	.9449
157.000	.0491

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .4240
 157.000 .0089

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 -.0044
 157.000 -.0003

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 -.0044
 157.000 .0043

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 -.0159
 157.000 -.0106

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DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 1322

ARC 3.5-198 OH3B 140C ORB INCIDENTAL ORIFICES

(REZN04)

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 -.0158

157.000 -.0108

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 1.0493
157.000 .0696

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .9028
157.000 .0638

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 1.1670
157.000 .0709

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .3894
157.000 .0172

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .3363
157.000 .0079

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0668
157.000 .0066

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .5469
157.000 .0595

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .6252
157.000 .0633

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .7190
157.000 .0635

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1706
157.000 .0040

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .2547
157.000 .0209

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .3164
157.000 .0151

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN09) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .1305J CPSTAG = 1.8292

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .5490
 157.000 .0553

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .6423
 157.000 .0580

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .4226
 157.000 .0236

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .4833
 157.000 .0241

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZNOs)

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP	
155.000	.5496
157.000	.0247

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

{REZN10} (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .2017
 157.000 .0140

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .2064
 157.000 .0168

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .0882
 157.000 .0161

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .0000
 157.000 .0217

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1330

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN10)

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0966
157.000 .0136

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1331

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN11) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .3847
157.000 .0294

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .4656
157.000 .0302

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .5713
157.000 .0325

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .1800
157.000 .0139

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2206
157.000 .0138

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2466
157.000 .0217

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .3638
157.000 .0444

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1333

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN12)

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP	
155.000	.4178
157.000	.0457

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1334

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1292
157.000 -.0015

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1529
157.000 .0028

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1145
157.000 .0048

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1241
157.000 .0001

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN13)

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP	
155.000	.0779
157.000	.0107

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAG. 1336

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0994
157.000 -.0059

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1261
157.000 -.0028

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1386
157.000 -.0033

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1661
157.000 .0002

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .2059
157.000 .0095

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1486
157.000 .0185

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN16) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0649
157.000 -.0067

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0808
157.000 -.0059

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0939
157.000 .0078

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1708
157.000 .0009

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1015
157.000 -.0064

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1243
157.000 .0012

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1428
157.000 -.0019

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN18) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .3810
 157.000 .0317

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .5175
 157.000 .0444

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .1103
 157.000 .0085

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .1213
 157.000 .0117

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN18)

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1583
157.000 .0119

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .3205
157.000 .0400

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .2925
157.000 .0268

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1342

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .1647
157.000 .0136

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2049
157.000 .0171

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .3027
157.000 .0217

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .3811
157.000 .0237

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN19)

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .2987
157.000 .0306

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .3407
157.000 .0313

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1344

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2651
157.000 .0179

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .3277
157.000 .0261

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .3796
157.000 .0338

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .4871
157.000 .0482

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN20)

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .3560

157.000 .0425

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .4322

157.000 .0376

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .1038
157.000 .0087

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0000
157.000 .0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0342
157.000 -.0023

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .1361
157.000 .0115

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN30)

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .1449

157.000 .0133

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0583

157.000 .0026

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0661
157.000 -.0088

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0751
157.000 -.0072

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1349

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN32) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .0861
 157.000 -.0049

ALPHA (2) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .0538
 157.000 -.0074

ALPHA (3) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .1109
 157.000 -.0001

ALPHA (4) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .1346
 157.000 .0025

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1350

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN32)

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0584

157.000 -.0062

ALPHA (6) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0521

157.000 -.0062

ALPHA (7) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0454

157.000 -.0049

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1351

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0652
157.000 -.0070

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0376
157.000 -.0066

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .26080 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0318
157.000 -.0059

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0769
157.000 -.0065

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1352

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN34) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0275
157.000 -.0068

ALPHA (2) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0393
157.000 -.0031

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0358
157.000 -.0042

ALPHA (4) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0487
157.000 .0006

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1353

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN34)

ALPHA (5) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0275
157.000 -.0024

ALPHA (6) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0288
157.000 -.0024

ALPHA (7) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0425
157.000 .0047

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1354

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1573
157.000 -.0011

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .2172
157.000 .0029

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1816
157.000 .0060

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .2358
157.000 .0004

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1355

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN35)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2871

157.000 .0067

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .1884

157.000 .0093

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1356

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1408
157.000 .0040

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0486
157.000 -.0101

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0782
157.000 .0083

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1811
157.000 -.0173

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1357

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN36)

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP	
155.000	.1016
157.000	.0105

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1358

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN37) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0018
157.000 -.0047

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 -.0026
157.000 -.0108

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1359

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(REZN38) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 -.0004
157.000 -.0105

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 -.0053
157.000 -.0109

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR.

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1360

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN03) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .2712
 157.000 .0034

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .3261
 157.000 .0043

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .3743
 157.000 .0060

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
 155.000 .1905
 157.000 .0003

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1361

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN03)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2326
157.000 .0031

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2337
157.000 .0002

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .1802
157.000 .0049

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1362

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1233
157.000 -.0067

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0694
157.000 -.0075

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0824
157.000 -.0067

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .11120
157.000 -.0054

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1363

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN04)

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTA0 = 1.8295

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0999
157.000 -.0055

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTA0 = 1.8309

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0948
157.000 -.0084

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ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1364

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1433
157.000 -.0014

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1840
157.000 .0018

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0641
157.000 -.0049

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) INCIDENTAL ORIFICE DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .2083
157.000 .0020

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1365

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN05)

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0674

157.000 -.0023

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0783

157.000 .0007

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1366

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 -.0073
157.000 -.0112

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0176
157.000 -.0065

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 -.0045
157.000 -.0091

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0228
157.000 -.0079

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1367

ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0743
157.000 .0217

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1406
157.000 -.0016

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1067
157.000 -.0047

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1771
157.000 .0015

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(XEZN11)

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0708

157.000 .0032

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .2053

157.000 .0034

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0808

157.000 .0024

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP

155.000 .0817

157.000 .0096

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(YEZN03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0812
157.000 -.0046

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0459
157.000 -.0062

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1051
157.000 -.0044

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .0654
157.000 -.0080

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(YEZN03)

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1277
157.000 -.0044

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

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ARC 3.5-198 OH38 140C ORB INCIDENTAL ORIFICES

(YEZN04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1021
157.000 -.0067

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) INCIDENTAL ORIFICE

DEPENDENT VARIABLE CP

NO. 1.0000

TAP
155.000 .1131
157.000 -.0084

13674

N76-16154

Unclas

(NASA-CR-144584-Vol-3) RESULTS OF PRESSURE DISTRIBUTION TESTS
OF A 0.010-SCALE SPACE SHUTTLE ORBITER MODEL (61-0) IN THE
NASA/ARC 3.5-FOOT HYPERSONIC WIND TUNNEL (TEST OH38), VOLUME
3 W.H. Dye, et al (Chrysler Corp.) Dec. 1975 674 p

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